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Do not assume content reflects current scientific knowledge, policies, or practices.

62.47

Origin
Strain
Stark Delici

SOLD ONLY BY STARK BRO'S

1924

Iowa's State Monument To Origi

Though over 50 years old, this Original Delicious Tree bore a crop this year that astonished horticulturists who attended Iowa's Dedication of the Monument. (See above). As Iowa inscribed on monument, the "Sole right to Propagate" from this ORIGINAL TREE was and IS PERPETUALLY STARK BRO'S property EXCLUSIVELY

We continually RENEW ou from this ORIGINAL TREE stood the severe 40 degrees belo and long droughts of Iowa **Never missed a crop, excep ALL apples failed.** Our Strain of Stark Delicio

STARK BRO'S NURSERIES—at I

A Foreword—and a Grateful Acknowledgement

...record of Over 100 Years of Successful ...would be thoughtless indeed, were we to accept ...has made it possible to make our ... Trees ... ments, all ... given ... "Bred-...he-Bone" Stark ... have built up the Wonderful Nursery Institution we have today, except for the assistance rendered by those Great Horticultural Minds, Orchardists and Scientists, to whom we Dedicate this Volume. We carry many of their photographs on this page. All of them are men whose whole lives are Dedicated to the Up-Building of Horticulture.

In this Volume we have embodied, not only the Fruits of Our Own **Over 100 Years' Experience,** but the Proven Ideas, the Ripe Judgment and Sound Decisions of all of these men—America's Most Famous Fruit Men and Scientists.

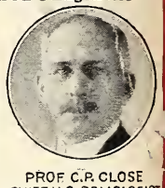
For this reason, you who read this book, bear in mind that it is **Authoritative.** It is so not only because it is backed by over 100 years of Stark experience and the great Stark organization, but because it **Represents** the **Combined, Matured Judgment** of all of the **Master Fruit Minds** of **America.**

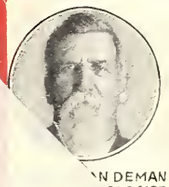
COL. G. B. BRACKETT
LATE U.S. POMOLOGIST

Col. Brackett, in **"A Century's Hort. History,"** wrote: "Pioneer Nurserymen were—Col. James Stark (Kentucky-1785); Judge James Stark (Missouri-1816); Joseph Curtis (Ill.-1818); Jesse Walker (Tex.-1830)."

Stark Bro's Great New Offices for Research, Publicity, Advertising, Seed Dept. and Storage of Rare Seeds.

Col. Byron Coleman, Pres. Mo. State Hort. Soc., after visiting Stark Nursery, Offices and Packing Houses said: "I knew you had a Great Nursery, but I had no Idea it was such an Enormous Institution as I have seen Today."

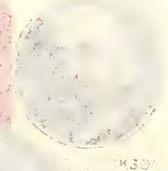

PROF. C. P. CLOSE
CHIEF U.S. POMOLOGIST


...N DEMAN
...OLOGIST

LUTHER BURBANK
"WIZARD OF HORT."

PROF. N. E. HANSEN
N. DAKOTA STATE HORT.

PROF. W. J. GREEN
OHIO STATE HORT.



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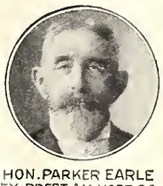
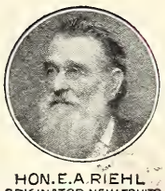

HON. PARKER EARLE
EX-PREST. AM. HORT. SO.

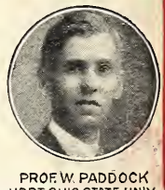
HAROLD SIMMONS
FAMOUS MINN. HORT.

BENJ. DOUGLAS
HORT. SCIENTIST-AUTHOR

PREST. THOS. RIGG
AMER P'TRY. ASSN. EDITOR


HON. E. A. RIEHL
ORIGINATOR NEW FRUITS

PROF. JOHN CRAIG
NEW YORK AGR. COLLEGE


PROF. W. PADDOCK
HORT. OHIO STATE UNIV.

...I. C. WHITTEN
...TATE HORT.

"Orchard Profit Outlook Never As Fine As Now!"

By PROF. J. C. WHITTEN,

State Horticulturist, Missouri, for 25 years. Now California State Horticulturist

"There never was a time when orchardists could put out an orchard with as fine an outlook for profits as now. The man who plants good trees of the right varieties and gives them good care will make splendid profits. I am urging owners of land to plant orchards and to plant this year, because the opportunity for growing intercrops between the tree rows and thus giving the trees splendid cultivation means that the orchard will be brought into bearing and the land will be made to produce good profits ... the trees begin to bear, then the bearing orchard will make the land ... veral hundred per cent more valuable than before ... It is for these reasons that I say plant ... now.

...ards are not ... planted fast enough to anywhere near ... population. The future looks ... plants an orchard.'

...here are 115,172,377 ... 10 years ago.

Loaded 6-Year-Old Stark OLD OAK PROCESS Orchard—"JUST ACROSS THE ROAD"—a 6-Year-Old Cheap Tree, PIECE ROOT Orchard, not an apple.

A Startling Comparison—Between Stark Trees—and Cheap Trees

ABOVE—6-*year Stark Tree Orchard* bearing a good crop. When visited by Prof. H. E. Van Deman, U. S. Pomologist, he reported in the official U. S. Year Book of the Department of Agriculture: "This lesson in practical horticulture will be worth millions to the country."

6-*year Cheap Tree Orchard*—"*JUST ACROSS THE ROAD*"—spindling weak trees that will never bear good apples. *NOT* from Stark Bro's. Both photos made same day; same climate, soil, same age—Which do you want in your orchard—Stark Bro's Trees or cheap trees?

Grow More High-Priced Fruit—Less Cheap Corn

A Prediction Based on 50 Years' Orchard Experience.

By E. W. Stark, Pres't Stark Bro's—orchardist since 1873.

"All far-seeing farmers know they must grow less corn and more of something else—**'Less Corn—More Fruit and Clover.'** Corn, for the next generation (barring a great War), will be cheap. Fruit prices, because of the great shortage of trees, will be high. Fruit tree planting has not kept pace with our increased population. In fact, there has been a **Tremendous Decrease in the Number of Bearing Trees**—over 100 million have died from neglect and planting inferior trees in 10 years.

"The result is a **Great Scarcity of Good Fruit** that will continue for years to come, especially apples. Consequently there will be big prices for fruit—(fancy apples sold this year, wholesale, as high as $6.00 per bu., $18.00 per bbl.) There is No Chance for Cheap Fruit, and Orchardists are Bound to Make Big Profits."

Pres. E. W. Stark

Maj. Lloyd C. Stark

Dawn of New Era in Orcharding

Over 115,000,000 Tree Shortage in the U. S.

By Major Stark, Ex-Pres. Am. Nurserymen and Mo. Valley Apple Growers' Ass'n. (From Address Before Am. Pomological Society.)

"The 1920 Government census shows 115,172,377 fewer bearing trees in the U. S. than there were in 1910—48% of the bearing apple trees and 46% of the bearing peach trees of America passed out of existence in 10 years. Even the young orchards not yet fruiting are dying out because of either inferior trees or lack of care.

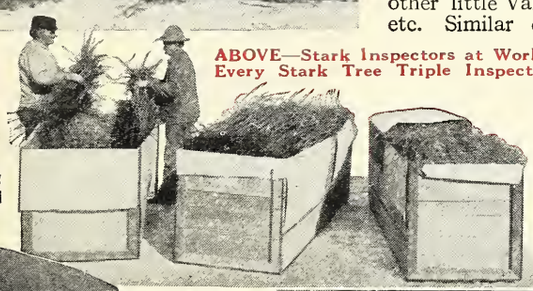
In Mo., Ill., Neb., Kans., Okla., Ind., etc., there is a tremendous loss and even greater in N. Y. and New England. In the Central West we have lost 65,000,000 bearing trees in 10 years—45,000,000 of which were apple trees, balance peach. Not one of these States shows any increase in new plantings, instead there is a loss in young non-bearing trees of 17,000,000 trees.

"Think of it! **Nearly half our Orchards gone!** Because of the Great Shortage of Orchards, there is a Wonderful Future and Big Profits for Men Who Plant Orchards in the next 20 years."

WHY WE HAVE STARK NURSERIES IN 7 DIFFERENT STATES

Over 100 years' experience proved to us, that there are a few small spots of Wonderful Soil with ideal climate, that grow apple trees better than all the other sections; others grow finer rooted cherry; other places produce the best peach trees. We have [illegible] acres—once the bed of Lake Erie—where grape vines have more wonderful roots than elsewhere. Three other little Valleys grow wonderful apple seedlings, etc. Similar exceptional combinations of soil and climate grow better plum trees, pear trees, apricots, etc. *See p. 12.*

We have located a Nursery at Each one of these Ideal Spots—**IN SEVEN DIFFERENT STATES IN THE U. S. AND ONE IN FRANCE.** That is **One Big Reason Why Stark Trees are So Much Better** than any other trees. No other concern does this. We not only know how to grow them better, but we also know **WHERE to grow them Best.** We have discovered the ideal soil and climate to produce the best trees of each type, and they are grown under the Direct Supervision of the Starks themselves—**Direct From Our Nurseries to Your Orchards.**



ABOVE—Stark Inspectors at Work—Every Stark Tree Triple Inspected.

Photo To Right Shows Stark Packing Method

Stark "ROUND-the-WORLD PACK" Brings You "FULL-of-LIFE" Trees

Did you know that probably half the trees planted by orchardists are only "half alive"? Many of these **"half alive"** trees grow and finally make fairly good trees, but they would make good trees 2 or 3 years sooner **if the Delicate Roots Retained all the Vigor** they had when lifted from the ground, **"Full of Life."** Stark Bro's great care in **Preventing Exposure Through Every Step** of the Digging and Shipping, and finally the Stark wonder packing—the "Round the World Pack"—**Brings Your Stark Trees to you "Full of Life,"** so they will give you 2 or 3 extra crops, will come into bearing younger, will make bigger trees quicker and live longer than other trees, that to the eye look almost as good. But yet **when they are planted, what a wonderful difference!** In two years your Stark Trees are tremendous big trees—the other trees just poke along and never catch up.

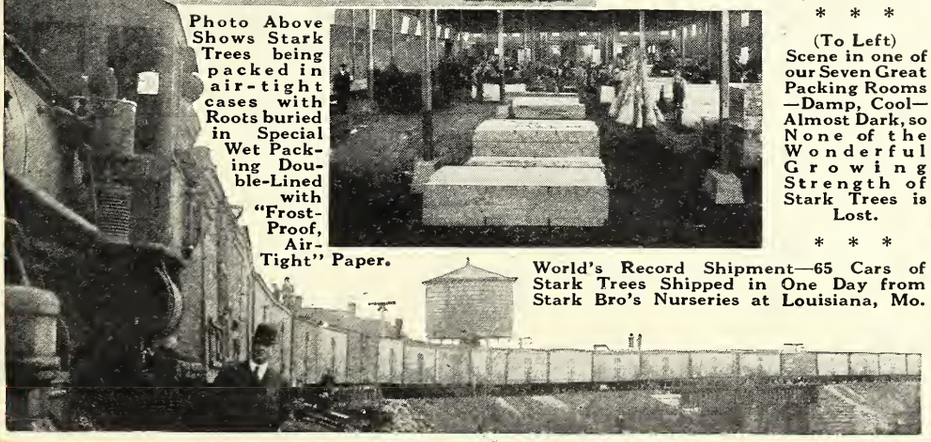


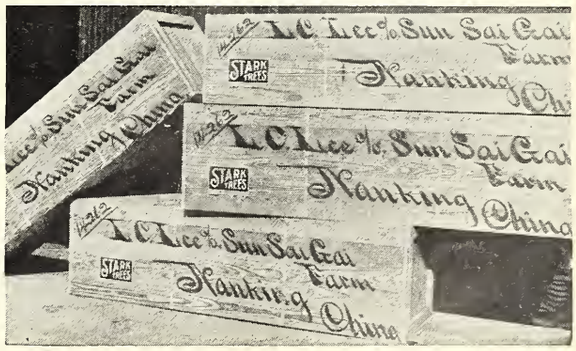
Photo Above Shows Stark Trees being packed in air-tight cases with Roots buried in Special Wet Packing Double-Lined with "Frost-Proof, Air-Tight" Paper.

* * *

(To Left) Scene in one of our Seven Great Packing Rooms—Damp, Cool—Almost Dark, so None of the Wonderful Growing Strength of Stark Trees is Lost.

* * *

World's Record Shipment—65 Cars of Stark Trees Shipped in One Day from Stark Bro's Nurseries at Louisiana, Mo.

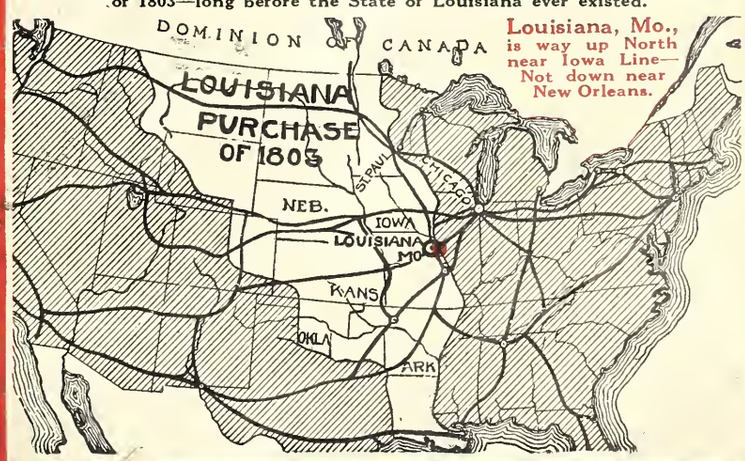


Stark Trees to China by Stark Bro's Famous "ROUND THE WORLD" Packing Method—even to the 4 corners of the earth—Across the Hot Equator—India, So. Am., Australia, etc., Insures YOUR Stark Trees arriving Full of Life.

STARK TREES ARE HARDY, WELL MATURED, NORTHERN GROWN, hard-wooded, well matured. No sappy, soft wooded trash in Stark Nurseries. Frosty, "Snappy" Weather makes wonderful, hardy Stark Trees.

32 degrees below zero at Louisiana, Mo.—Stark Offices and Stark Park in mid-winter. Planters everywhere prefer hardy, OLD OAK PROCESS Stark Trees, the Finest Grown in All America.

LOUISIANA, MO., IS WAY UP NORTH NEAR THE IOWA LINE. It was named for and soon after Pres. Jefferson's great Louisiana Purchase of 1803—long before the State of Louisiana ever existed.



Stark's Golden Delicious

3 Loaded Limbs---Actual Photographs

Stark's Golden Delicious
18 Month's Old Mo. Top Graft of *Golden Delicious* Bearing Big Crop. *World's Record* for Young, Full Bearing. Photo Below.

29 Big Apples on a Measured 14 Inches at Top This Limb of *Stark's Golden Delicious* to left. Bore "Thick as They Could Stick" every year; never fails. Bore heavily this season when all others near it failed—after 2 Freezes and 3 Frosts; worst year ever known. Wonderful Flavor. 50% larger than Grimes Golden.

Mo. Stark's Golden Delicious Orchard. Never failed a crop They made such an unheard-of bearing record the owners planted so many Stark s Golden Delicious that if the rows were placed end to end there would be 25 miles of these frost defying never failing trees Proving as hardy as oaks.

Stark's Golden Delicious Orchards owned by American Fruit Growers (Inc) of Pittsburg Pa This great Orchard Co —the Largest in the World, $50 000,000 00 Capital—think so much of Golden Delicious that their finest orchard is named in honor of it.

A Loaded Orchard, fruit immense size wonderful flavor long keeping and unsurpassed beauty. E H Riehl, "Grandest Sudden Advance in pome fruits ever made."

Bowed to the Ground. Stark's Golden Delicious Bearing a Great Crop on 4-year-old top-worked trees that were the sensation of the entire community (below) O O Sutton, W Va , Orchardist says "Promises to be the Apple Sensation of the century"

5 Bushels of Big Stark's Golden Delicious per tree in Webster's 7-year Orchard (above). These apples were sold before they were picked for $5.00 per bushel, orchard run, f o. b. orchard. At $25.00 per tree, an acre yields $2,000.00—40 acres would yield $80,000.00.

When All Others Failed Stark s Golden Delicious Bore this Enormous Crop Never missed crop since 2 years old For young heavy regular bearing vigorous growth, luxuriant healthy foliage and all 'round orchard worth, have never seen its equal

"All Big Apple Buyers say Golden Delicious Finest and Showiest Apple they ever saw. Tree as hardy as Stark Delicious and Wealthy. Sets an apple for every blossom, every apple set grows to maturity—clings fast to tree." Photo shows Silas Wilson, owner 750 Acre Orchard, in his Golden Delicious Orchard Trees.

Golden Delicious

Sold ONLY by Stark Bro's

The $5,000 Tree In A Cage

Original Stark's Golden Delicious

Tree in the Cage on a Rocky Mountainside in West Virginia. WE PAID $5000.00 FOR THIS TREE and the ground on which the tree stands (30 feet square). This great MOTHER TREE of all Genuine Golden Delicious is Enclosed in a Burglar-Alarm-Protected Cage—the MOST VALUABLE TREE IN the WORLD.

A. H. Mullins the Originator is shown Standing by the Gate of the Big Cage. He watched this tree carefully.

This Barren, Out-of-the-Way Mountainside Gave to the World the Greatest and Best Yellow Apple. Lovers of Fruit Will Long Remember this Historic Spot.

Actual Size

$5,000 FOR ONE TREE

Here is the original Golden Delicious tree which we purchased for $5,000.00, paying for ground and tree. There it stands, on a West Virginia mountain side, enclosed in a huge, protecting cage.

Stark's Golden Delicious

Sold ONLY by Stark Nurseries

The Trail of The Golden Apple

By Paul Clarence Stark

For 20 years all the Starks had searched for a large *late keeping* yellow apple as good in quality and as satisfactory in tree as Stark Delicious.

The first "clue" came to us one April day some years ago. Three wonderful yellow apples reached us from a West Virginia mountaineer-orchardist—who wrote that they were a new, heretofore unknown, variety.

The second "clue" was discovered when my brother, now Major L. C. Stark, bit into one of the golden apples. The flavor amazed him. They *looked* like Grimes Golden—but ***tasted much more*** *Delicious!* They were shaped more like Stark Delicious. And they were *in perfect condition in April!* Grimes Golden would have been rotted and gone months before.

Our experts were summoned. All were given a "taste." The enthusiastic commotion that resulted could have only one parallel in our over a century of history—that being the time when Stark Delicious, the King of All Red Apples, was discovered by C. M. Stark.

One apple was sent to Col. Brackett, late U. S. Pomologist at Washington, D. C. Friends present at the time told us how the Colonel came hurrying into the office, a little slab of this wonderful yellow apple perched on his knife blade, exclaiming, "Taste *this!* Here's an apple with an even *better flavor* than Grimes Golden." He wrote us glowing praises.

That fall the writer started on "The Trail of the Golden Apple."

A 1,000-mile railroad trip, plus a 20-mile horseback ride through West Virginia mountain wilds, brought me to the farm of Mr. A. H. Mullins, on whose place this golden apple tree had grown—no one knew how.

Back of the house I saw an orchard. But—here came the dismal disappointment! Every tree I could see was nothing but wild seedlings—miserable runts.

Dejected and sick at heart, I turned around to leave—when—I SAW IT!

There, looming forth in the midst of the small, leafless, barren trees, was a tree with rich green foliage that looked as if it had been transported from the Garden of Eden.

That tree's boughs were bending to the ground beneath *a tremendous crop of great, glorious, growing golden apples!*

I started for it on the run. A fear bothered me, "Suppose it's just a Grimes Golden tree after all!" I came closer and I saw the apples were 50 per cent larger than Grimes Golden. I plucked one and bit into its crisp, tender, juicy-laden flesh. Eureka! I had found it. The long sought for *perfect* yellow apple had been discovered. The "Trail of the Golden Apple" had reached a successful end.

Stark's Golden Delicious

And, just as I had eaten my apple, core and all, I turned to see Mr. Mullins, with a "I-told-you-so" smile on his face, climbing the hill to welcome me.

STATEMENT OF THE ORIGINATOR OF STARK'S GOLDEN DELICIOUS MADE TO STARK BRO'S YEARS AGO

This apple ripens along with the other late winter apples. They keep fine and do not rot, remaining crisp and nice until late spring. I found some in my cellar in May, sound and nice. I am sure this tree is a seedling, because it stands on my farm, which has been in the hands of our family for forty years. The tree is now only about nine years old and to my knowledge has borne big crops for the past four years. I don't know how many crops it bore before then.

Last year the tree bore twelve bushels of fine fruit, and this year it has a good crop although the rest of my orchard and neighboring orchards are failures. Four years ago there were no apples in this country, but this tree had a full crop. Blossoms very hardy—never failed to bear. (Signed) A. H. Mullins.

25 Miles Golden Delicious Trees in the "Big Buffalo" Orchards, Vera, Mo.

(Photo Below). If the rows of Stark's Golden Delicious in this splendid orchard were end to end, they'd reach nearly 25 miles. Photo only 18 months after planting. Partial view of one of the many commercial orchards of Golden Delicious planted by far-seeing commercial orchardists, who Plant Orchards for Profit. They realize it is *the* coming Commercial Late Keeping Yellow Winter Apple. They plant thousands as markets will take them at big prices. Thoughtful farmers know there are **115,172,377** fewer bearing fruit trees than 10 years ago. They know that corn is down **and so is wheat**—apples are still selling at $8.00 a barrel. Any corn land that produces 50 bushels of corn will produce 200 barrels of apples. Briefly, one acre in corn (50 bushels at 50c) brings $25.00 an acre, planted to fruit trees, averaging 4 barrels a tree at $6.00 a barrel brings $1200 an acre.

Photo below—"Big Buffalo" Orchards—25 miles of Stark's Golden Delicious trees if rows were placed end to end. Trees only 18 months old. Hundreds have blossom buds and some bloomed when only one year old.

Last Year's 35 Bushel Crop On ORIGINAL Tree Stark's Golden Delicious

This **ORIGINAL "$5,000.00 TREE IN A CAGE"** bore over 35 Bushels of Big, Beautiful, Wax-Like Yellow fruit this past Season—its 12th Big Crop in 12 Years. Here it stands on a Steep Barren Hillside, poorest-of-poor Soil, Uncultivated, Unpruned and Unsprayed—Yet Still Thriving like the Proverbial "Green Bay Tree" and Bearing Crops that Simply **Astonish Orchardists. Bore at 4 years old.** • • • Thousands of Acres on Steep Hillsides Everywhere can be **Increased 500 per cent in Value** by planting Golden Delicious; as we did in our Famous Hillside Orchards.

(See Top Page 13)

The $5,000 Tree in a Cage.
This is a partial view of this tree—in its burglar-alarm-protected cage on a West Virginia Mountain. Owned by Stark Bro's. (Complete View Page 6)

Only Stark Bro's Can Sell Golden Delicious—All Legally Protected—National Detective Service—$100 Reward

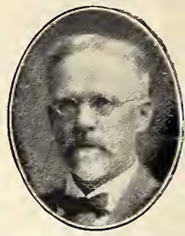
Only Stark Bro's can sell Golden Delicious. Stark Bro's own the ORIGINAL Golden Delicious tree and ground. From this splendid "Mother Tree" Stark Bro's have produced hundreds of thousands of Golden Delicious trees. All trees, buds, scions or cuttings, are *Fully and Legally Protected* and controlled by Contracts. Anyone who infringes by attempting to sell Golden Delicious under its true name *or any other name*, will be promptly and effectively handled in the courts. A few cases of attempted infringement by nurserymen have been quickly handled by court action or by the infringer agreeing to burn all trees, etc., and agreeing to stop infringing. Reliable nurseries will not infringe, and others who do not respect our rights will be prosecuted.

ALL NURSERYMEN WERE OFFICIALLY WARNED—of our Legal Rights through U. S. Postal Dept., Registry Division, so none could innocently infringe. We retain Services of leading National Detective Agency to *protect our rights and our customer's rights.* If you hear of anyone else trying to sell trees, claimed to be Golden Delicious, notify us at once so we can notify our Detective Agency and Legal Dept. to take necessary action.

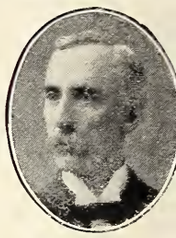
$100 REWARD! For the arrest and conviction of anyone stealing Golden Delicious trees, scions, buds or cuttings, and propagating therewith.

The "Supreme Court of Fruit World" Awards Wilder Medal to this Apple!

Prof. C. P. Close, Official U. S. Pomologist.



Prof. N. E. Hansen, North Dakota State Horticulturist.



Prof. W. J. Green, Ohio State Horticulturist.

THE OFFICIAL AWARD LETTER

American Pomological Society

OFFICE OF THE TREASURER

EAST LANSING, MICH.

February 19.

Stark Bros. Nurseries and Orchards Co.,
Louisiana, Mo.

Attention of Mr. Paul C. Stark.

Gentlemen:-

With this I am sending you the Wilder silver medal awarded to you for the Golden Delicious apple exhibited by you at the meeting of this Society held at St. Louis last month.

I do not know when I have seen an apple with which I have been as much pleased and with its early bearing habit and general productiveness it should take a place well at the head of the list of the high-class commercial sorts.

Trusting that the medal will reach you safely.

Yours very truly,

L. R. Taft Treasurer.

WHAT the Supreme Court is to United States law, the American Pomological Society is to American fruit and horticulture—the *Final, Highest Authority.* This Society has occupied this eminent position for over 75 years

Now—this great body of scientists and horticulturists has given to Stark's Golden Delicious the highest tribute ever granted to an apple since the introduction of Stark Delicious—the *only* Wilder Silver Medal with one exception ever awarded to an apple in the last 35 years. This Medal was "struck off" on the massive presses of the United States Mint, by special order, and is now in our possession. (See photo below.)

What American Pomological Society Award Means to You

To *YOU* who may have been waiting to see Stark's Golden Delicious "prove itself," here is the evidence of the esteem in which this superb fruit, and the tree that bears it, is held by the *Foremost Pomological Experts, Horticulturists and Orchardists.*

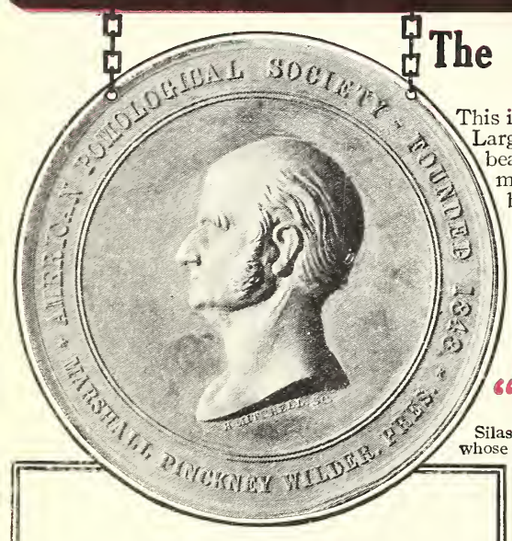
They watched the development, testing and success of this Great, Big, Glowing Golden apple for years before giving it this, the Supreme Honor.

On the Committee on the Wilder Medal Award were such eminently conservative authorities as

Prof. C. P. Close, Official Pomologist, U. S. Dep't of Agric., Washington, D. C.
Prof. W. J. Green, State Horticulturist, Ohio Exper. Sta., Wooster, Ohio.
Prof. N. E. Hansen, State Horticulturist, North Dak. Exper. Sta., Brookings, N. D. (See photos at right.)

Gathered with these men and concurring in their unanimous verdict in favor of Stark's Golden Delicious, were such noted figures as Dr. Liberty H. Bailey, Dean of New York College of Agriculture, Cornell University, and Author of the world famous Standard Encyclopaedia of American Horticulture—and horticulturists and fruit experts from practically every Horticultural College and Experiment Station.

Stark's Golden Delicious



THE WILDER MEDAL

The Wilder Silver Medal is the Nobel Prize of the fruit world. It was provided for by a Trust Fund left in 1886 by the late Marshall P. Wilder, Scientist and Pomologist, who was President of the American Pomological Society for 38 years—with instructions that it was to be awarded to a fruit only after exhaustive investigation had produced proof of that fruit's supreme merit. This medal made by U. S. Mint.

The $5,000.00 Yellow Apple That is a Sensation Everywhere

Owned and Sold ONLY by Stark Bro's

This is indeed a remarkable yellow apple. Unusually Large, Waxen, Golden Yellow—with a rich, alluring beauty that tempts the buyer and *commands* remarkably high prices. $5.00 per bushel is the price being paid—and the apples are so good that many buyers are reluctant to let go, even at $5.00 per bushel. A great commercial and "family" apple—*once tasted, always wanted.*

Averages about 50 per cent larger than Grimes Golden grown under ordinary conditions—and even superior in flavor to Grimes and far superior in keeping qualities. It is a round, glossy, *Golden Yellow* apple, slightly conical—somewhat like Stark Delicious (red). Flesh is Rich, Creamy Yellow, a faint tint of orange—Crisp, Firm, with a *Sparkling, Tang-ful Flavor* much resembling that of a great glorious pear.

It is the one yellow apple superior to Grimes. The Grimes is fine as an early winter apple—but Stark's Golden Delicious is a marvelously late keeper. "I have never eaten an apple coming out of storage this late (July) which retained so fully its normal crisp texture," writes Prof. J. C. Whitten, for 25 years Dean of Horticulture, Missouri State College Agric, now State Horticulturist of California.

Introduced by Stark Bro's

"Finest, Showiest Apple Big Eastern Buyers Ever Saw!"

Silas Wilson, the famous Iowa-Idaho orchardist, whose 750-acre orchards recently produced a crop that filled a whole train of cars, visited us and said: "My judgment of this Wonderful Stark's Golden Delicious apple and tree is endorsed by all the big Eastern fruit buyers who visited my orchard. They all say that it *is the finest and showiest apple they ever saw.*"

—Silas Wilson, Who Shipped 750 Acres of Apples From His Big Orchards.

50 per cent Larger than Grimes Golden—and Keeps 4 Mos. Longer

Perhaps the most remarkable *fact* about Stark's Golden Delicious apples is their *Long-keeping Qualities.* Leading fruit experts throughout the U. S to whom we sent Stark's Golden Delicious apples (nearly 10 months after these apples had been first placed in ordinary storage) stated that they had never seen a yellow apple coming out of storage so late and still retaining its crisp, zestful flavor.

It is Phenomenal

OHIO AGRICULTURAL EXPERIMENT STATION

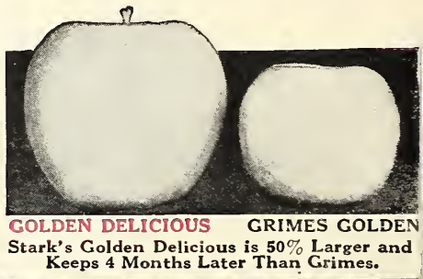
Stark Bros. Wooster, Ohio.

The behavior of Stark's Golden Delicious is phenomenal. Seldom does a variety have so many superior qualities. I have not yet been in the field but shall watch with much interest the planting and growth of Stark's Golden Delicious trees. One thing is certain, you are the only folks who can put a new variety on the market in a short time. Others would take a generation to do it.—J. H. Gourley, Chief.

Great in W. Va.

The 1,000 one year old Stark's Golden Delicious I set out last fall put on a six-foot growth this season. The neighboring orchardists have all visited my orchard (a Stark Tree orchard) and marvel at the wonderful growth of the Golden Delicious. The magnificent trees have a distinct appearance, the foliage very abundant, large, and rich dark green. I fully believe the Golden Delicious promises to be **the apple sensation of the century.**

(Signed) O. O. Sutton, President Riverview Orchard Co.



GOLDEN DELICIOUS GRIMES GOLDEN

Stark's Golden Delicious is 50% Larger and Keeps 4 Months Later Than Grimes.

SUCCESS IN ILLNOIS

Alton, Ill., Sept. 20th.

Stark's Golden Delicious I regard as the *grandest advance in the line of fruits that was ever made.* Its favorable characteristics are vigor, so strong as to resist the check of remarkably early bearing; size, shape and quality are also in its favor. (Signed) Edwin H. Riehl.

OLD OAK PROCESS Whole Root Trees

(Photo below.) Stark's Golden Delicious in Silas Wilson's 750-acre Orchard. He declares: "Golden Delicious is the most wonderful apple in the world."

To right American Pomological Society Exhibit Stark's Golden Delicious. All grown on 2-year trees from 28 States.

* *

Hon. Silas Wilson and a Stark's Golden Delicious in his Orchards. (to Left)

Stark's Golden Delicious

STARK TREES BEAR FRUIT

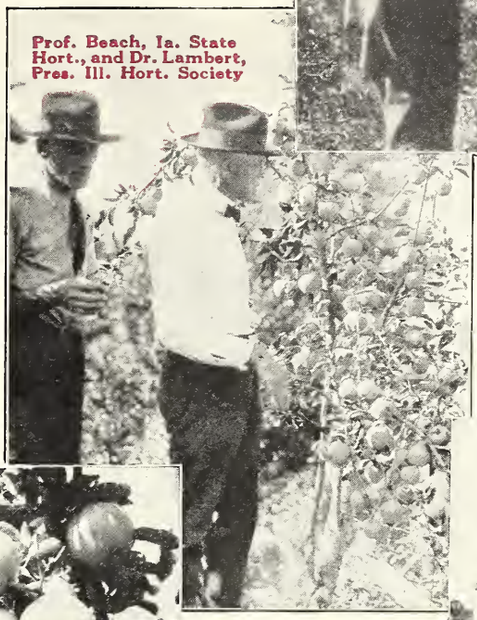
Nation's Fruit Authorities Make Pilgrimage to Inspect Bearing Stark's Golden Delicious

For days they arrived on every train. Many from over 1,000 miles away. They came as independent Scientific men—College Professors—State Experiment Station men—Government Bureau men—Horticultural Editors—Successful Orchardists, all anxious to see these remarkable yellow apple trees with their own eyes. Their inspection impressed them in a tremendous way It convinced them beyond all doubt that here was the **Most Wonderful Yellow Apple and Tree Known to the Fruit World.**

Prof. Paddock, O. State Hort., and Other State Horticulturists

"It Revolutionizes Apple Growing"

Declared Prof. H. L. Crane, Horticulturist, W. Va. Exp. Station. "It is likely that Stark's Golden Delicious will be the parent of a family of fruit trees that will revolutionize apple growing. **I have never seen anything like it** before. Here it is showing fruit maturing on terminals, fruit spurs, and, most important of all, on lateral buds (on the lateral buds—the 1-year wood, like a peach tree). This is the only apple I have seen or heard of doing all this." **Prof. Frederick Cranefield,** Madison, Wis. (Member Executive Committee, Amer. Pom. Soc.) asserted: "This sight (as he looked upon Stark's Golden Delicious in bearing) is even **more wonderful than your photographs** and descriptions. All the horticultural writers and pomologists will have to revise their books on apples, because the Stark's Golden Delicious **bears regularly on new 1-year wood."** Prof. Paddock, Ohio's famous State Horticulturist, frankly asserted: "Stark's Golden Delicious beat anything I ever saw! It is of **high quality, a beautiful golden yellow color and a late keeper!"** Other famous men who heartily agreed with them were Prof. Warren A. Ruth, Asst. Prof. Pomology, Univ. Illinois—Prof. S. A. Beach, considered the greatest living apple authority in America, Iowa State College, Ames, Iowa, and scores more.



Prof. Beach, Ia. State Hort., and Dr. Lambert, Pres. Ill. Hort. Society

HERE ARE THE MEN WHO CAME TO SEE

State Horticulturists — Prof. Paddock (O.), Prof. Oskamp (N. Y. & Mo.), Prof. Cullinan (Ind.), Prof. Crane, W. Va., examining Golden Delicious.

• • •

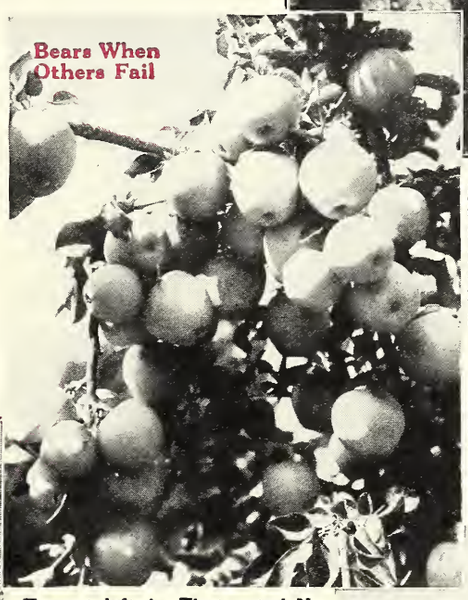
H. Sherwin, Scott Co., Ill., sends photo below, saying: **"This Stark's Golden Delicious, 5½ months after planting—bigger and better than other varieties of trees from other nurseries planted 4 years ago."**

Prof. J. R. Cooper, Ark. State Hort., Says: "As Big As Your Color Plates"

"The Stark's Golden Delicious apples on the 2-year-old tree, photo of which I sent you, were as big as those shown on your big color photo." (See Page 4, the large apple cuts are part of the "big color photo" mentioned above by Prof. Cooper at St. Louis meeting, American Pomological Society.)

You can rely on the testimony of these disinterested scientific men. You can depend on their sound judgment—and PLANT STARK'S GOLDEN DELICIOUS YOURSELF

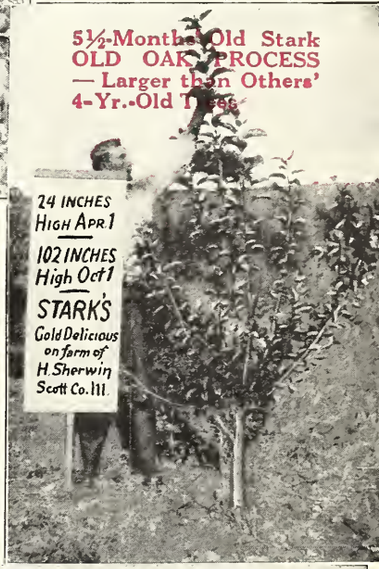
"The Public Has Long Been Clamoring for a Long-Keeping Yellow Apple. You Have It In Stark's Golden Delicious"—were the prophetic words of Hon. Joseph Girardi, famous Illinois Apple Judge, uttered years ago when we first Introduced this Famous Stark's Golden Delicious apple.



Bears When Others Fail

Above, Prof Beach, Iowa State Horticulturist, America's Greatest Apple Expert, and Dr. Lambert, Leading Ill. Orchardist and Pres. Ill. Horticultural Society, are shown examining great crop of Stark's Golden Delicious. Their enthusiasm was unbounded.

5½-Months'-Old Stark OLD OAK PROCESS — Larger than Others' 4-Yr.-Old Trees



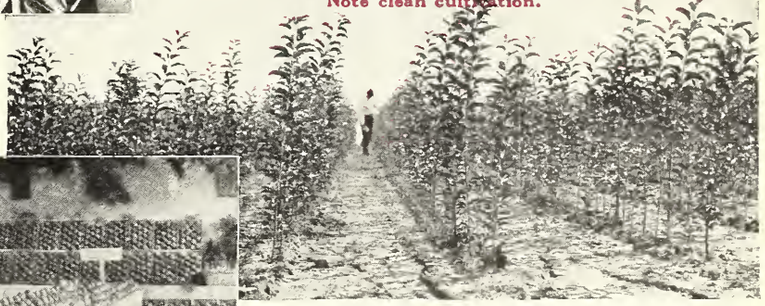
Wonderful Crop Despite 3 Frosts and 2 Freezes

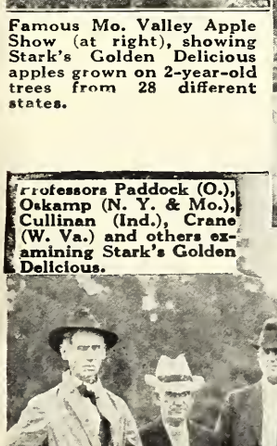
After a too warm winter, followed by the worst spring for fruit, in the memories of the oldest inhabitants—just as fruit trees were in full bloom—Stark's Golden Delicious bore despite three frosts and two freezes. Left.

Tree at left is one of the Stark's Golden Delicious that bore in 30 states last year when practically all others failed.

That noted N. Y.-Mo. Horticulturist, Oskamp, (see photo at right) discovering fruit buds on 6-mo.-old trees.

Prof. Oskamp finds Fruit Buds on 6-Months'-Old Stark's Golden Delicious trees in our Ozark Mountain Nurseries. Note clean cultivation.





Famous Mo. Valley Apple Show (at right), showing Stark's Golden Delicious apples grown on 2-year-old trees from 28 different states.

All Genuine Stark's Golden Delicious Trees Bear This Label—Shown Below.

Look for it. It is your protection against mistakes and inferior substitutes. You will find it attached to all genuine Stark's Golden Delicious apple trees. Remember—

Stark Bro's Alone Sell These Trees and Offer $100.00 Reward

For the Arrest and Conviction of anyone stealing Golden Delicious trees, scions, buds or cuttings and propagating therewith. Golden Delicious are sold **ONLY** by Stark Bro's Nurseries, Louisiana, Mo.

Professors Paddock (O.), Oskamp (N. Y. & Mo.), Cullinan (Ind.), Crane (W. Va.) and others examining Stark's Golden Delicious.

Horticulturists Visit Our Great Nursery Plants

At left is shown part of a large group of Noted Horticulturists who visited our famous Ozark Mountain Nursery Plantations. They were amazed at the great superiority of trees grown by Stark Bro's 100-yr.-old Methods.

National Detective Protection for Planters

We retain the services of a nationally-known detective agency to protect our customers and ourselves against fraudulent practices relating to and in violation of our Stark's Golden Delicious Purchase Agreement. We have prosecuted every such case—and have never failed to win each case.

23 STARK BRO'S **Golden Delicious**

Greatest Yellow Apple

Front

Agreement—In receiving this tree you agree that you are fully aware that you have signed and will carry out to the letter, the Golden Delicious Purchase Agreement, wherein, as part of the consideration entering into the purchase of this tree, you obligated, contracted and agreed "not to give away or sell or permit anyone else to take scions, buds or cuttings from the Golden Delicious trees herein mentioned or their progeny, for a period of 25 years."

Back

$100 REWARD!

For the arrest and conviction of anyone stealing Golden Delicious trees, scions, buds or cuttings, and propagating therewith.

Golden Delicious sold only by

STARK BRO'S, LOUISIANA, MO.

2-Year Golden Delicious

Bear Crops in 33 Different States

WHAT do you think of that! In scores of orchards North, East, South and West—in Illinois, Missouri, Virginia, California, District of Columbia, Louisiana, Wisconsin, New Jersey, New Hampshire, Oregon, Pennsylvania, Tennessee, Texas, Iowa, Maryland, Connecticut, Massachusetts, Michigan, New Mexico, Washington, West Virginia, Indiana, Kansas, Ohio, Kentucky, New York, and several other states. That's the record of 2-year-old Stark's Golden Delicious. Over 100 apples on one of these trees in New Jersey, for instance—a full bushel box of splendid apples on **six 2-year-old trees in Oregon—21 fine apples on a 2-year-old tree in Illinois, etc., etc.**

Note these photos and read some of the enthusiastic letters, pouring in upon us from delighted growers of **Stark's Golden Delicious, the Great Yellow Apple Teammate of Stark Delicious,** the greatest red apple.

Iowa—Dr. W. E. Lawhead, Burlington, Iowa: "Stark's Golden Delicious tree I got **two years ago** has made wonderful growth. I counted **6 well-formed apples on it.** Full of bloom and vigorous."

Pennsylvania—Benby S. Higgins, Emans, Pa.: "Stark's Golden Delicious trees I purchased two years ago are doing fine. One tree had 5 blooms—and 2 apples."

Virginia—H. D. Didier, near Roanoke, Va., writes: "I am enclosing you a photograph of my 2-year-old Stark's Golden Delicious with **14 apples on it.**"

Missouri—Joseph Jennings, Lees Summit, Mo., reports: "My 2-Year Stark's Golden Delicious tree has 5 blossoms on it and set **3 apples. This is the youngest I have ever had apple trees to set fruit.**"

BEARS ON 3-YEAR TREE IN NEW YORK

Photo above (taken under direction of Prof. Howe of N. Y. Exp. Station, Geneva, N. Y.) shows 3-Yr.-Old Stark's Golden Delicious bearing. In same orchard Baldwin didn't begin bearing till 10 or 12 years old.

BEARS AT 2 YEARS IN ILLINOIS

A. W. Brayton, Mount Morris, Ill., sends in photo below saying: "My 2-year Stark's Golden Delicious is bearing 7 apples besides making a fine growth."

Whole Root Trees

BORE OVER 100 APPLES AT 27 MONTHS

This photo above was sent in by A. Russell Paul, Belvidere, N. J. Think of a tree bearing **12 apples** at 15 months—and over **100 apples** at 27 months. He declares it is the "youngest, heaviest bearer of over 15 varieties."

BORE IN IOWA DESPITE FROSTS

D. Armentrout, DeWitt, Ia., writes: "My 2-year-old Stark's Golden Delicious tree bore 13 apples, after going through the terrific freezes and frosts of last May."

2-YR.-OLD TREE BEARING 21 APPLES

J. Ginther, Bone Gap, Ill., writes, in sending photograph above: "My two-year-old Stark's Golden Delicious bore 21 apples—the greatest apple I ever saw."

OLD OAK PROCESS Whole Root Tree

128 APPLES ON 2-YR.-OLD TREE

Frank L. Wingard, Orange Grove, Cal., in sending in photo at left, says: "This 2-year-old tree has 128 Stark's Golden Delicious apples on it."

STARK TREES

Look at the wonderful growth of this Stark's Golden Delicious tree (photo below) just 14 months after planting in orchard of H. D. Didier.

Bore Despite 3 Bad Frosts and 2 Freezes

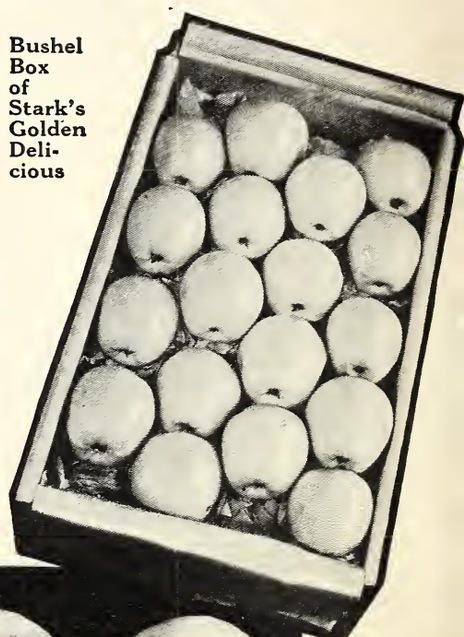
Last spring in many sections was the worst for fruit in the memory of the oldest inhabitants. There were 3 hard frosts and 2 ruinous freezes, right after an extra warm March had brought forth the tender fruit blooms. **In spite of this Golden Delicious bore in 33 states.**

But—Stark's Golden Delicious produced **good crops** of **fine apples** after the frosts, because of its **frost-dodging blooming habit.** This remarkable variety of fruit tree puts forth 3 different blooms. First—the ordinary fruit spur buds. Next—the lateral bloom-buds And, then, terminal bloom-buds. Two sets of blooms may get frosted—and still the third can produce an abundance of fruit. **No other apple does this.**

We had good crops of Stark's Golden Delicious in Test Orchards—and so had growers in Kentucky, Iowa, Alabama, Arkansas, California, Missouri, Massachusetts, Ohio, Illinois, Washington, Oregon, etc.

See the letter from D. Armentrout, an Iowa grower, in box at left.

Bushel Box of Stark's Golden Delicious



OLD OAK PROCESS Whole Root Trees

I. A Klein sends in photo below, stating: "It bore 18 apples this year—only 2 years old. Look at the simply marvelous growth of this Stark's Golden Delicious tree."

Basket of Stark's Golden Delicious

When photo below was taken by Prof. Cooper, State Hort., Arkansas, the tree was only 2 years old. He writes: "It bore 14 fine Stark's Golden Delicious apples this season."

Scoring Big Success in Big Orchards All Over America

Bearing Young, Bearing BIG Crops Every Year Everywhere!

It is **the** most successful orchardists—men noted for their big money crops and their "long headedness," who are planting Stark's Golden Delicious by hundreds and thousands.

Go where you will—and you will find the leading orchardists of every good apple section talking Stark's Golden Delicious—and **planting** Stark's Golden Delicious. Their expert opinion of this variety is the same as that of J. E. Eggers, the big St. Louis County fruit grower, who declares:—"I believe that Stark's Golden Delicious is the most profitable variety anyone can plant!" Read what a few of them say:—

THIS TREE PLANTED IN 1920 BORE 80 APPLES 1922

In sending in photo above, Mr. Chas. Riedenbaker, Burlington Co., N. J., declared:—"Golden Delicious is the best apple grown!" (See full account at right)

Beat 4 Other Varieties

Prof. F. W. Faurot, Director Mo. State Exp. Station, Mt. Grove, **MO.**, writes:—

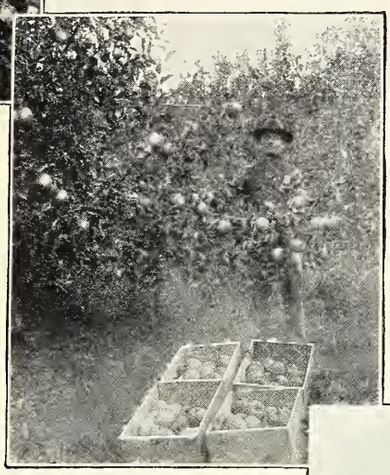
"I run onto orchardists in nearly every community of this state who have planted Stark's Golden Delicious. In our own Experiment Station orchards, we have 120 Stark's Golden Delicious trees alongside of Rome, Willow Twig, York and Jonathan—and **the Stark's Golden Delicious has made from ⅓ to ½ more growth than any of the other four varieties.**"

LATER—Prof. Faurot decided to set out an orchard for his **personal profit.** He had planned to plant Grimes Golden, but after seeing the behavior of Stark's Golden Delicious in the Mo. State Exp. Station, he eliminated Grimes and planted a big block of Stark's Golden Delicious instead.

Bore When 1 Year Old!

One of the Calhoun County **(ILLINOIS)** noted fruit growers is J. E. Nelson. He writes:—

"Just one year ago, I set out 74 Stark's Golden Delicious trees. On the first of May **this** year, I found 27 blooms on one tree. These 27 blooms **set 6 apples.** I know this seems almost incredible, but it's a fact! All these Stark's Golden Delicious trees are making **wonderful growth.**"



ENORMOUS STARK'S GOLDEN DELICIOUS APPLES

Above shows the immense size of this variety of apple—grown by J. L. Webster, Chelan Co., WASH., in the famous "Golden Delicious Orchards." These apples averaged as large as 48 to the bushel—much larger than we show on Page 4 of this Stark Year Book.

Defy Insect Epidemics

Fred L. Hinds, well known Middlesex Co., **MASS.** orchardist writes:—

"The Stark's Golden Delicious were practically **FREE FROM THE INSECT PESTS** that were so prevalent here. Also, they were **NOT AFFECTED BY THE FIRE BLIGHT** which was also among our worries. I find the fruit and trees far better than my expectations."

"ALL My 250 Stark Trees Planted in 1920 Bore 20 to 80 Big Apples Each in 1922!"

—and all the 250 are Stark's Golden Delicious!

The photo in the upper left hand corner of this page shows Mr. Chas. Riedenbaker of Burlington Co., **NEW JERSEY**, and one of those 250 Stark's Golden Delicious trees planted in 1920.

This man bought a tract of poor stump land, that wasn't "worth a nickel an acre," so everyone said. Planted to Stark Trees (particularly Stark's Golden Delicious) it is yielding him rich crops—has helped him raise his family in every comfort and is fattening his bank account every year.

Speaking further of his block of 250 Stark's Golden Delicious trees that bore so remarkably heavy when 2-yrs.-old, he says:—

"These trees are very hardy and **rapid growers.** I never knew of any other apple that **bore so young** and had such **heavy crops.** It is the **best apple grown—very large, fine color** and **exquisite** flavor."

1,000 Trees Averaged 6 Feet Growth in 1 Season

O. Sutton, Pres. famous Riverview Orchard Co., Orchards, **WEST VIRGINIA,** enthusiastically writes:—

"1,000 Stark's Golden Delicious trees I set out last fall put on **a 6-foot growth this season.** All my neighbors **marvel at this growth.** They are magnificent in every way. I fully believe Stark's Golden Delicious to be **the apple sensation of the century.**"

THIS 4-YR.-OLD TREE HAS BORNE 3 CROPS

F. D. Straight, Allegan Co., MICH., sent in photo (in oval below) and stated:—"Stark's Golden Delicious trees bear when mere babies—and you can't kill 'em with an axe, that's all. The tree of this variety shown in photo is now 4 yrs. old and has born 3 successive crops."

MICH. MAN WISHES HE HAD PLANTED 10 TIMES AS MANY

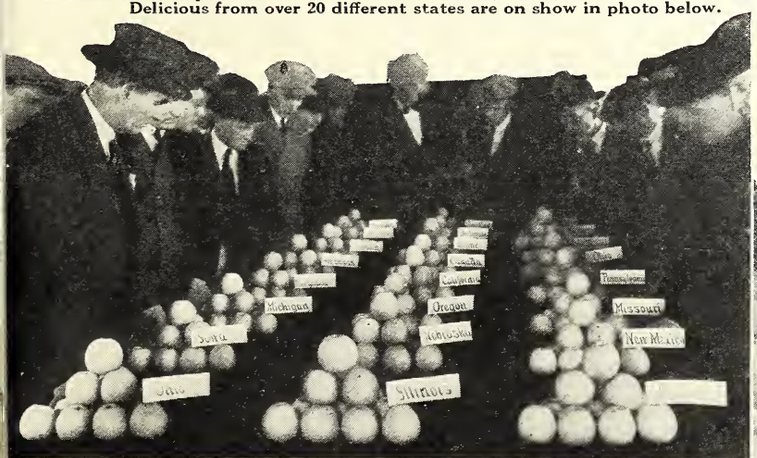
Don. E. Minor, successful Kent Co., MICH. orchardist, in sending in photo above, writes: — "I certainly wish we had planted more Stark's Golden Delicious trees. And while we have about 1,000 Stark Delicious, our greatest regret is that we did not plant 10 times as many.

Praised by President Kansas Hort. Society

Jas. Sharpe, owner famous Sharpe Orchards is a "self-made man." A comparatively few years ago he was a R. R. fireman. He went into the fruit raising business—succeeded—and now is President of the Kansas State Horticultural Society. He declares:—"I have lots of faith in Stark's Golden Delicious, having seen and eaten its fruit in December and again in August (apples of crop of year before), showing its **wonderful keeping qualities.** The 100 Stark's Golden Delicious trees I bought of you last spring were **certainly fine one-year trees,** straight stem and smooth, fine roots. **All are growing fine**—some making **3 feet of growth in year,** which is **extraordinary.** The trees are very symmetrical in growth and make beautiful orchard trees."

Stark's Golden Delicious From 20 States

Here is just part of the wonderful exhibit of Stark's Golden Delicious at Midwest Horticultural Exposition held in Council Bluffs, Iowa, last fall. Stark's Golden Delicious from over 20 different states are on show in photo below.



EVERY TREE BORE GOOD CROP IN 3rd SUMMER

Below we show the J. E. Eggers' orchard in St. Louis Co., MO., containing 50 Golden Delicious trees, every one of which bore fruit the third summer after planting. He writes:—"Every Tree has from 5 to 20 beautiful apples upon it. Some of them bore at 2 years. Stark's Golden Delicious is the best apple I have."

Heaviest Cropper—Youngest Bearer—3 Time Blooming Habit Defies Frost—Fine On Hillsides

Stark's Golden Delicious is the Wonder Tree of the Orchard—Heaviest Bearer ever Produced—Tremendous Crops of Big Apples. Branches bend, but Do Not Break. These super-crops of big apples are *borne* every year, as it is extremely vigorous, has strength to set bloom buds in spite of its tremendous annual crops. The 3-Time Blooming Habit, (1st on fruit spurs, then terminals and lateral buds—all three sets bloom late, but follow each other) insures that Blossoms *Escape Late Freezes.* "Golden Delicious bloomed for one month" —says D. L. Swarts, Lancaster, Ohio. **It has Broken all** Records of Frost Resistance and Sure Annual Crops. Its Unapproached Record of Bearing on 2-Year Old Trees in 33 States, has Startled the Horticultural World, making profits assured 3 to 5 years Earlier than Most Apples. It Bears Big Annual Crops on Poor, Steep, Uncultivated Hillsides. "Golden Delicious hardy as Wealthy" (one of the hardiest), says Wisc. Grower. Healthy, disease-resistant, successful in all soils—a Perfect Orchard Tree. From Maine to Calif., from Canada to the Gulf, Orchardists have seen Golden Delicious succeeding everywhere and are planting them in large quantities in great commercial orchards. Lloyd and Paul Stark last **year planted 5,000** more Stark's Golden Delicious **in their personal orchards—and again planted 15,000 more this Fall!**

35,000 OLD OAK PROCESS Stark Tree Orchard

Greatest Orchard in Virginia, At Leeds Manor, Virginia. Hon. Gilbank Twigg, Owner.

Stark Nurseries—World's Largest Tree Growers

3,000 Acres—in Seven States and France.

Millions of OLD OAK PROCESS Apple Trees—Rows nearly a mile long—not a weed!

Below, Millions of Stark True to Name Peach Trees—Man at right is 6 feet 2 inches tall.

Enormous fields of OLD OAK PROCESS Stark Apple Trees.

Another block of 700,000 Stark Trees.

Over a million—4½ months old—OLD OAK PROCESS Ozark Mountain Stark Apple trees.

Samuel Adams, Ed. Am. Fruit Grower; Hon. L. Wilson, Mgr., Virginia Fruit Growers; Maj. Stark; Prof. Ralston, Va. Hort., touring East. Orchards.

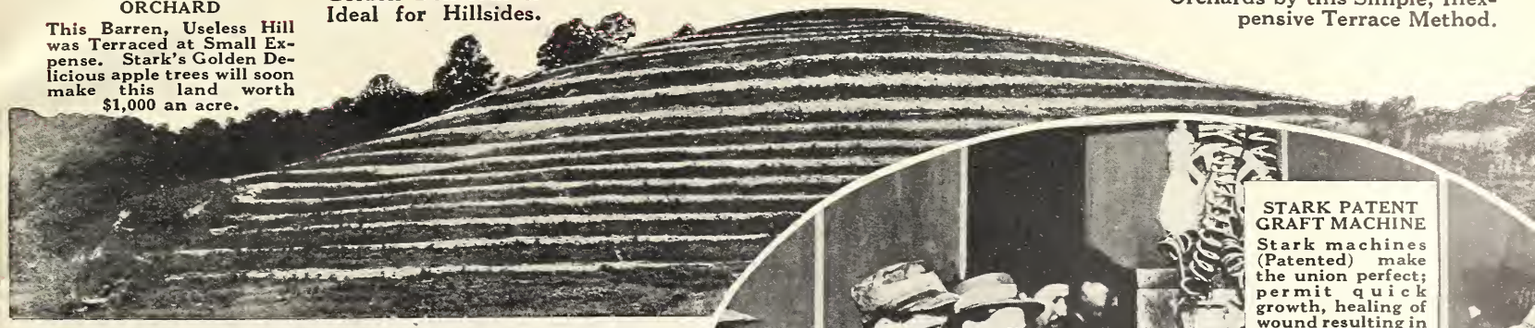
Stark Trees As Far As The Eye Can See.

Stark Pear Nurseries in N. Y.

Half a Million splendid OLD OAK PROCESS Stark Cherry Trees in Stark Nurseries at Dansville, N. Y.

Cheap, Steep Hill Land Makes Valuable Orchards

Thousands of Acres of Rough Hills May Now Become Big Profit Bearing Orchards by this Simple, Inexpensive Terrace Method.



FAMOUS STARK TERRACED HILL ORCHARD
This Barren, Useless Hill was Terraced at Small Expense. Stark's Golden Delicious apple trees will soon make this land worth $1,000 an acre.

Golden Delicious is Ideal for Hillsides.

Stark INVENTIONS and Growing Secrets Make and Maintain STARK TREE Superiority

Stark Trees are the result of a scientifically planned system of nursery procedure—it is a plan that has been added to, strengthened and brought up to date year after year by the men of the Stark Organization, during **More than a Century** of nursery work and Scientific Horticultural Research. Such a system as this, coupled with the best soils, proper climates and necessary capital, makes possible the present excellence of Stark Trees. They have grown into them a **sturdiness, a strength and an endurance** that makes them more resistant to diseases, stronger growers, younger bearers and they insure longer-lived trees. Original Stark Machinery and equipment (our own Stark Inventions, and most of it used Exclusively in Stark Nurseries), is a great factor in the production of Stark Old Oak Process Whole Root trees. However, the entire Stark Tree growing plan, including the production of seedlings, selection of scions from **strong growing, highest colored Special Strains,** grafting, budding, cultivating, growing, digging, handling, packing, are all designed to produce and deliver to Stark Customers the best trees grown. Stark Trees are literally personally grown, personally supervised by the Starks and able men of broad nursery experience.

There are many reasons why Stark Equipment as well as Stark Knowledge of tree growing and tree handling produces a superior tree. The big Gang Cultivator (a Stark idea) is one; the sprayer (our own design) is another; the Graft Trencher, which pulverizes the soil and makes the trench ready for the reception of the graft, is a Stark invention. A tree or a plant is strong and vigorous to the extent that the foliage is clean and vigorous, for the leaves are the "lungs" of a tree. To keep the foliage 100% perfect, we invented a special **"Stark Insect Annihilator"**—and when this machine glides over the tops of the trees, agitating them, every living thing that eats, jumps or flies is caught and carried out of the field and destroyed.

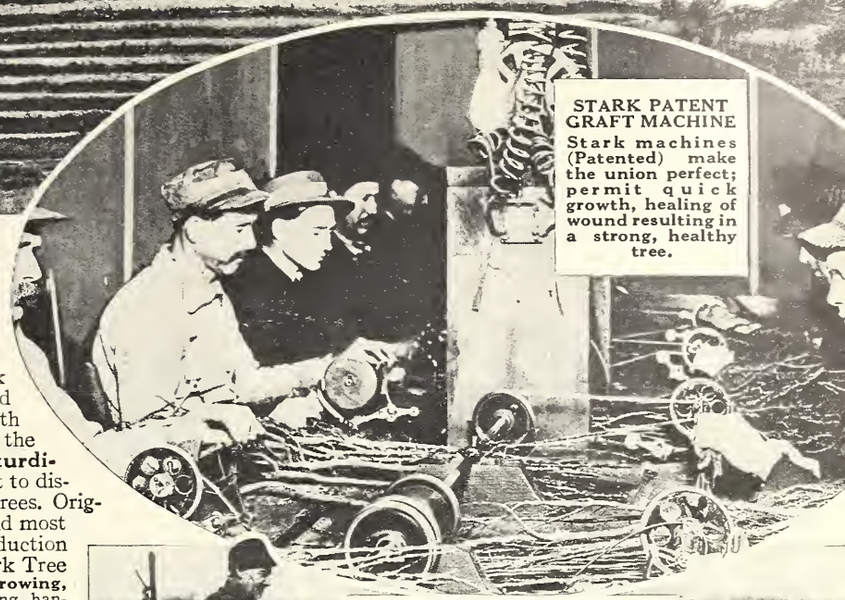
Stark Tree Digger Splits no Roots

—When the trees are ready to dig, there too, a Stark Invention counts big. Stark Trees are not dug by a spade nor twisted or pulled out of the ground—they are dug by big super-power tractor-diggers. These carry a digging blade deep under the trees, below the roots, lifting them without bruising the tree or breaking the roots—**they come out of the ground without a blemish.**

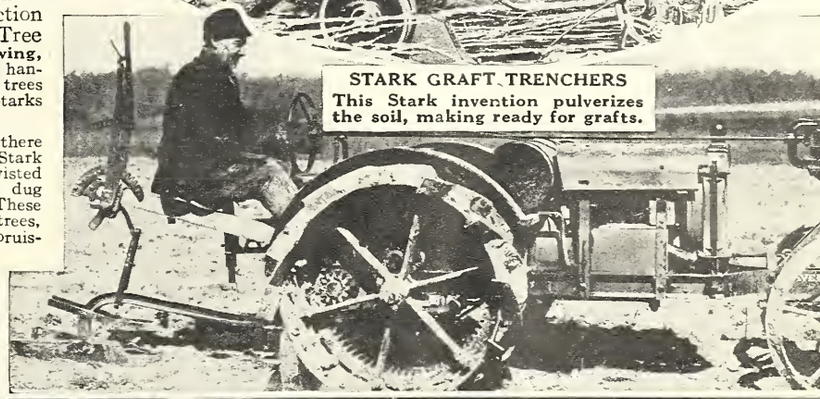
Old Oak Process Electric Graft Wrapper—The grafts from which Stark Trees are grown, are wrapped by a special Stark invented machine, insuring a perfect union of scion and root. This grows a stronger tree and a better tree.

Stark Trees not exposed to sun or wind when dug. Big covered Sunproof-Windproof Trucks follow the diggers and the trees are loaded as soon as dug and transported immediately to our cool Packing Houses, where they are graded under cover by expert men.

Whether it be in the personal Selection of Buds, the making of Grafts, the Pruning, Spraying and Cultivating the trees in the nursery row, the Digging of stock, Protecting, Packing, Boxing, Shipping, etc., Stark Machinery—much of it not used in other nurseries—plays a big and ever increasingly important part. It is one of the reasons—one of the many tangible, visible reasons for the superiority of Stark OLD OAK PROCESS Whole Root Trees.



STARK PATENT GRAFT MACHINE
Stark machines (Patented) make the union perfect; permit quick growth, healing of wound resulting in a strong, healthy tree.



STARK GRAFT TRENCHERS
This Stark invention pulverizes the soil, making ready for grafts.

INSECT ANNIHILATOR
This Stark invention collects all flying, jumping, crawling insects.

A Fine Block of Our OLD OAK PROCESS Stark Trees.

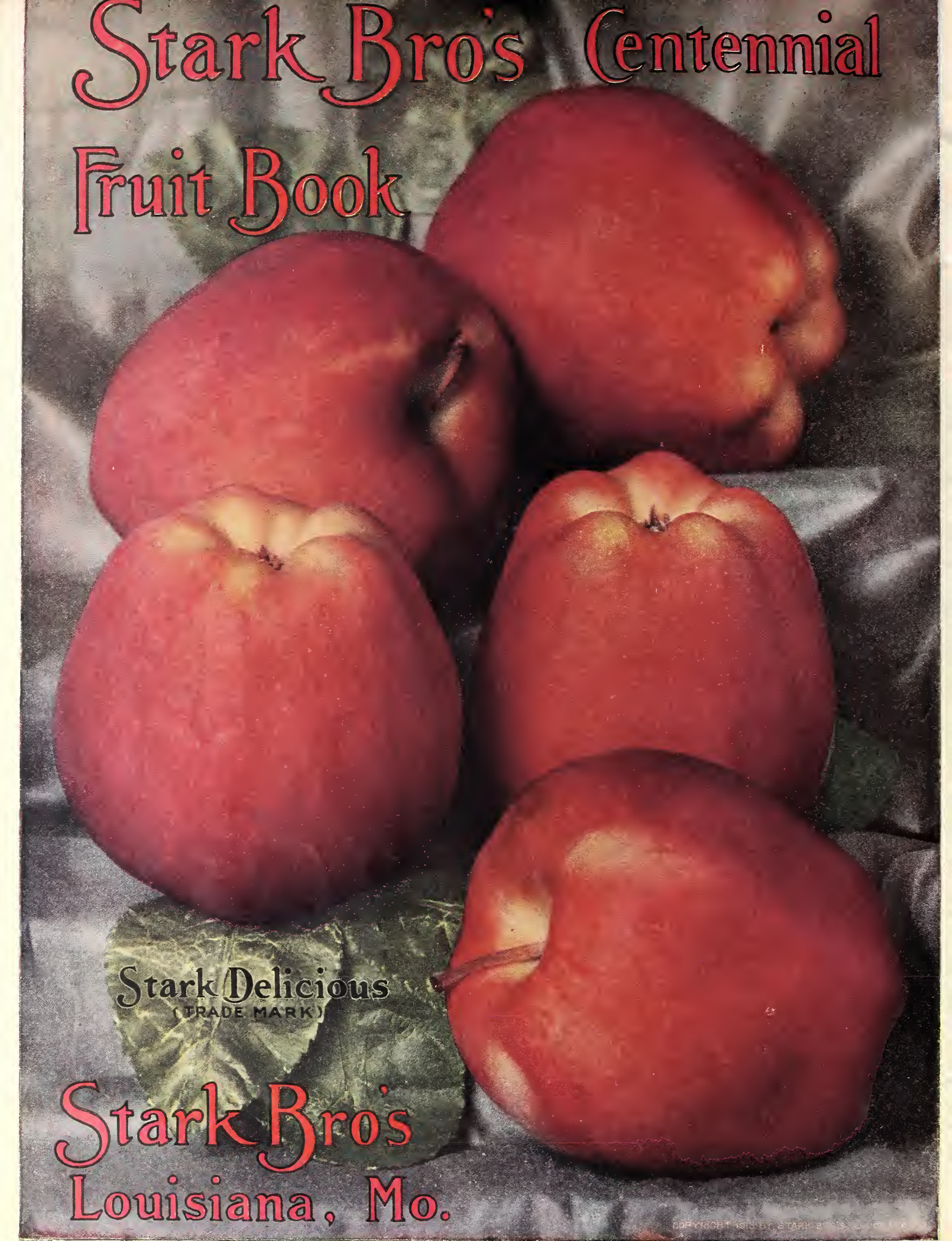
SUNPROOF-WINDPROOF TRUCKS
Protect Stark Trees, which are lifted from the ground to covered trucks, which take them direct to a cool Packing House, no exposure to sun or wind.

We Dig Trees Clean

Photo taken 15 minutes after two rows, which stood in the center, had been dug with a STARK IMPROVED TREE DIGGER, and trees, big and little, cleared up and sent to Grading Houses.
Stark Trees are cleared up at 1 and 2 years—and No Old Blocks left for Disease and Pest-Breeding places.

STARK TREE DIGGER
(Stark Patent)
Goes deep and digs the trees just as they stand—without a scratch, or broken root.

Stark Bro's Centennial Fruit Book



Stark Bro's Louisiana, Mo.

COPYRIGHT 1919 BY STARK BRO'S NURSERY CO.

Genuine ORIGINAL TREE Strain Stark Delicious Bear Everywhere

WIN FROM 30 STATES AND PROVINCES.

At the great American Pomological Society Meeting in Columbus, Ohio, beautiful, luscious Stark Delicious were exhibited from practically every fruit section of the U. S. and Canada—**from over 30 different States and Provinces.** Truly **no other apple can compare with it in adaptability.**

As Prof. Taylor, says:

"The Original Tree and its progeny have supplied propagating wood for millions of trees now growing in all parts of the World. It is **adapted to a Remarkable Range of Climate and Soil Conditions**—Orchardists of the Central States of the Mo. and Miss. River Valleys have strongest praise for it. Tenn., Ky., Md., the Carolinas, Va., **Wisc.,** W. Va., found it a success, N. Y., Pa., Ohio, Mich., **Ind. and all New England report its superiority. The** West and Northwest are receiving more for their Stark Delicious than any other apple. In far-off Australia, Korea, N. Zealand, So. America—Everywhere we hear of its popularity."

Photo Shows 5 Stark Delicious Shapes. Lower left, Illinois and Iowa grown; above it, Missouri and Arkansas; top, Northwestern grown; Lower right, Indiana and Ohio; above it Virginia **and W. Virginia. On Front Cover lower apple, Kansas,** Nebraska and Oklahoma; upper left, Kentucky and Tennessee; middle apple New England and New York; upper right, Georgia and the Carolinas; below it, Pennsylvania, Maryland, New Jersey, **Delaware, Michigan and Wisconsin.**

WHY STARK DELICIOUS SWEEPS ALL MARKETS.

There are three main reasons. **First**—its wonderful distinctive beauty. Look at the apples above. No other apple looks like it, with its five distinctive knobs on the blossom end—once seen they are never forgotton. **Second Reason**—You can answer for yourself if you will go out and buy one. Get it good and cool then bite into it—you have your answer—you have a flavor, a thrill of delight that no other red apple will ever give you. **Third Reason**—Because of the other two, orchardists everywhere, every year, on every market, get half again or double as much as for any other red variety. It leads all markets.

Stark Bro's Prize Fruits & Trees

A 3-year old Stark Delicious Tree and one of the apples.

Louisiana, Mo.

STARK TREES BEAR FRUIT
STARK TRADE MARK
REG U S PATENT OFFICE

Our Genuine ORIGINAL TREE Strain Stark Delicious

Are sold only by Stark Bros. They are close, direct decendants from our ORIGINAL Stark Delicious Tree, which we discovered on the prairies of Iowa years ago on the farm of the late Jesse Hiatt, from whom we purchased exclusive propagating rights, and all buds, scions and wood for all time. We continually renew our stock from the ORIGINAL TREE. No other Nursery can obtain these buds and scions. Hence the close ORIGINAL TREE strain can be purchased only from Stark Brothers.

See Front Cover

★ ★ ★

As Prof. Scott, of the U. S. Dept. of Agriculture, former head of the Bud Selection Association says:—"Every bud, even on the same tree, is slightly different; this accounts for bud variations, reversions, etc., which are recognized by the highest authorities." Every orchardist wants his trees grown from a vigorous, heavy bearing parent tree—so they will be as close descendents of the parent tree as possible.

As a stream is purest at its source, so we are surest that we have the most perfect type of the Genuine Stark Delicious when we keep our propagation close to the Original Tree.

BEWARE OF BOGUS, SO-CALLED "DELICIOUS."

Some orchardists in their endeavor to buy cheap trees, have been led into purchasing bogus, inferior, so-called "Delicious," which were not the Genuine Stark Delicious at all, but an inferior sort, somewhat resembling the genuine apple. You may be sure of getting true Genuine ORIGINAL TREE STRAIN Stark Delicious ONLY if you buy from Stark—the apple with 5 big knobs on the end; the apple that is superior to all others.

$1,500 off 36 Stark Delicious

Colored photograph above shows one of these 36 trees in the Burgess Orchard, bearing a big crop of enormous apples at 3 years old. These trees were, of course, all Genuine ORIGINAL TREE STRAIN Stark Delicious. When these trees were 9 years old Mr. Burgess wrote:—

STARK BRO'S.,

GENTLEMEN:

I have 36 Stark Delicious Trees (All Genuine ORIGINAL TREE STRAIN), that began bearing the third year—(See photo above), and have borne every year since. This year (when 9 years old), they averaged 15 bushel boxes per tree. The returns from these 36 trees will not be less than $1500.00. Sold 350 boxes for $3.20 per bushel."—F. S. Burgess, Chelan County.

Stark Delicious Tree
Half-a-Century Old and Still Bearing

ORIGINAL
Stark Delicious Tree
"FATHER" of all Stark Bro's
ORIGINAL TREE STRAIN Trees
Perpetual, Exclusive Propagatng Rights
Owned by Stark Bro's

STARK DELICIOUS MONUMENT

STATE OF IOWA OFFICIALLY HONORS STARK DELICIOUS

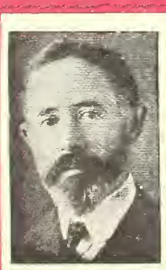
See Front Cover

The Iowa Historical Society and The Iowa Horticultural Society erected and dedicated this monument last fall on the farm where the Original Stark Delicious tree was found growing over 50 years ago by Jesse Hiatt. The dedication was a notable event, attracting the attention and attendance of the greatest Horticultural Authorities of the Nation.

Original 50-Yr.-Old Stark Delicious Tree

With Unsurpassed Record for Annual Crops of High Quality Fruit Since a Young Tree. Bore every year but once. **Long-Lived—Sturdy—Vigorous—and Still Bearing!** Standing on bleak prairies of Northern Iowa, it has fought storms and zero weather for half a century. This grand old tree is the only sort in entire orchard planted at that time which for half a hundred years has successfully combated the elements. Proving, as Prof. Whitten, Missouri State Hort., said, "Stark Delicious is resistant to canker and other trunk diseases."

Marvelous Health and Long Life of Our Stark Delicious Trees



Prof. J. C. Whitten

"Stark Delicious Resists Canker and Disease"

Prof. J. C. Whitten, Mo. State Horticulturist, later Calif. State Hort., says: "Stark Delicious is the hardiest, most vigorous and healthy tree grown. **It is resistant to canker and other trunk diseases.** Is never injured by lowest temperature of most severe winters. Not susceptible to sun scald. Stark Delicious in a short time grows so vigorously as to get virtually on its own root system, regardless of stock on which it was grafted. Has proved **strongest pollen producer** on Exp. Sta. grounds."

"AS HARDY AS AN OAK" is often used too lightly, but it best expresses the hardiness of Stark Delicious. Growth is perfection. Loaded limbs bend with fruit but do not break—the ideal tree."—Thos. F. Rigg, Hort. Editor Am. Poultry Journal.

"Never Saw a Diseased Stark Delicious in The Whole

Inter-Mountain Section," says Prof. E. P. Taylor, who as Colo. Hort. Inspector; State Hort. Idaho; and Hort. Utah Fruit Growers Ass'n, had an opportunity to know the disease resistance of Stark Delicious. "Stark Delicious is as disease resistant as any variety we have."—Prof. F. A. Motz, Ex. Hort. of Va.

STARK DELICIOUS NO CANKER—BENS DEAD—G. W. Steiman, ex-Vice Pres. Mo. State Hort. Society, said at recent meeting: "In my old **Stark Delicious** Orchard **haven't lost single tree from disease—no canker. Ben Davis same age,** same orchard, many **are cankered, dead.** Stark Delicious are fine healthy trees—just perfect. Biggest Money-Makers, **Heaviest, Surest Bearers** I have. Bore at 5 years."

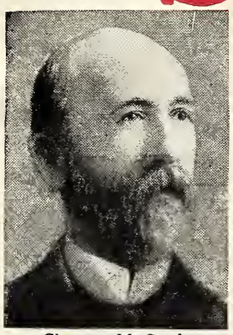
Prof. E. P. Taylor

Genuine ORIGINAL TREE Strain

Stark Delicious

Trade Mark REGISTERED U. S. PATENT OFF.

"The Finest Red Apple in all the World!"



Clarence M. Stark for many years President of Stark Bro's Nurseries & Orchards Co. But for him Stark Delicious would probably have never been known.

"STARK Delicious trees from your nurseries have been growing on my place for years and never failed to produce a crop," writes Luther Burbank, the Wizard of Horticulture. "As the trees grow larger they bear more, larger, better fruit. The Stark Delicious is correctly named. No other apple has the Delicious combination of the spicy fragrance and flavor of Stark Delicious. Furthermore, it keeps longer than any other good apple. *IT IS THE FINEST APPLE IN ALL THE WORLD.*" Genuine Stark Delicious have been planted by hundreds of thousands in the last 25 years—from one end of the country to the other. This past year *they sold for $6.12 per bushel box* (price to growers in New York. Stark Delicious growers are literally picking fortunes from their *genuine* Stark Delicious trees).

—**Luther Burbank**

LUTHER BURBANK —"The Wizard of Horticulture"— Originator Gold and America Plums and Other Great Fruits.

Discovered and Introduced by Stark Bro's

The reason why shrewd orchardists insist on *Stark* Delicious is because they know that the original Stark Delicious tree (see photo at left) was discovered by the late C. M. Stark of Stark Bro's, about 30 years ago.

He immediately *Purchased Perpetual Rights to this Original Tree* from the owner of the farm, Jesse Hiatt. We at once secured a *Registered Trade-Mark* from the United States Government on the name of this apple and the trees which bear the name of the *genuine* Stark Delicious.

These wonderful trees have brought fame to our Stark Nurseries—and riches to the orchardists. No other red apple or apple tree is so widely popular.

The Dessert Apple Supreme

The Stark Delicious is a great, big gleaming red beauty. So attractive and so "good to eat" that it is bought eagerly on city markets at 10, 25 and even 50 cents each!

It simply cannot be compared with an ordinary red apple. Its crisp, "crunchy" flesh is flowing with an exquisite, aromatic flavor—and a honey-dew juiciness not found in any other red apple. It tops the markets for the growers—it tops the list of favorites in the opinion of everyone who has ever tasted one.

Photo of Jesse Hiatt and Original Stark Delicious Tree (exclusive and perpetual propagation rights owned by Stark Bro's)—now more than a Half Century Old, but still bearing splendid crops—the hale and hearty "Father" of all our genuine "ORIGINAL TREE Strain" Stark Delicious Trees.

Stark Bro's ORIGINAL TREE Strain of Stark Delicious Is Your Guarantee

Your orchard is a life time proposition. You don't want to gamble—*you must be sure!* You want the Genuine ORIGINAL TREE Strain of Stark Delicious—the one that is *backed by a record of 50 years* of proven hardiness, disease resistance; regular annual bearing, and also biggest profits wherever apple trees grow. Other apples, similar in appearance to the *genuine*, have been sold to unsuspecting orchardists—but these *Bogus, so-called "Delicious" are inferior*, poor quality, and as different as black and white from the *genuine*. If you hear of any unfavorable report on this wonderful apple, and its magnificent orchard and money-making characteristics, you will probably find on investigation that the trees are fraudulent.

We Alone Control Propagation From ORIGINAL TREE

Stark Bro's bought perpetual, exclusive and *sole* propagating rights and control of the Original Stark Delicious Tree (see page 16), and *no other Nursery or person can propagate from this Grand Old Tree*, which though 50 years old, has never missed a crop, except one year when all apples failed. Our Genuine ORIGINAL TREE Strain of Stark Delicious propagation is continually renewed and kept close to this ORIGINAL Stark Delicious tree. *Stark Bro's exclusive contract* for the control and *sole propagating rights from this ORIGINAL TREE*, is the orchardist's best *guarantee of true strain stock*, of unquestionable purity, and is the best possible assurance that the characteristics of this magnificent old Patriarch Tree are surely inherited by our young ORIGINAL TREE Strain of Stark Delicious. Though **50 years old it has never missed a crop**—except once—since it begun bearing at an early age—an *Unsurpassed Record*. This grand old tree still stands on that bleak, blizzard-swept prairie of Northern Iowa—the only tree out of a large orchard that could withstand the severe 40 *degrees below zero* weather and the long drouths of summer, and survive. Yet—it has stood all these tests, as well as *successfully resisted attacks of insects and disease*, un-pruned, uncultivated, un-sprayed, but still producing abundance of rich, healthy foliage and splendid, regular crops. See tree Page 16.

Protect Yourself By Getting "ORIGINAL TREE" Strain Stark Delicious Trees

You want *your young trees* to inherit these same hardy, vigorous and heavy annual bearing characteristics. You can get these ORIGINAL TREE Strain Trees, propagated by our special "close to the Original Tree Method," **from no one but Stark Bro's,** Louisiana, Mo. "Just as a spring is purest at its source" so the ORIGINAL TREE Strain Stark Delicious is your best assurance of orchard success.

Stark Delicious Keeps From One Year Half Through Next

Photo above shows Mr. C. M. Beall (of Illinois), Vice-Pres., Miss. Valley Apple Asso., holding up a 15-inch branch of Stark Delicious bearing 10 big apples, on May 7, *the next year* after the apple branch was taken from tree.

Note the same trees that bore them blooming in background—*proving the amazing long keeping qualities of Stark Delicious.* The 10 apples had been hung up *in an ordinary cellar* until May 7th and after photo was taken, were eaten. Flavor was found still perfect—zestful—juicy. Apples were as sound as a dollar.

This tree—and other Stark Delicious trees in Mr. Beall's orchard *began to bear when 4 to 5 years old.* It alone bore 12 bu. this year after photo was taken—selling at $3.00 per bu.—$36.00 for one crop from one tree.

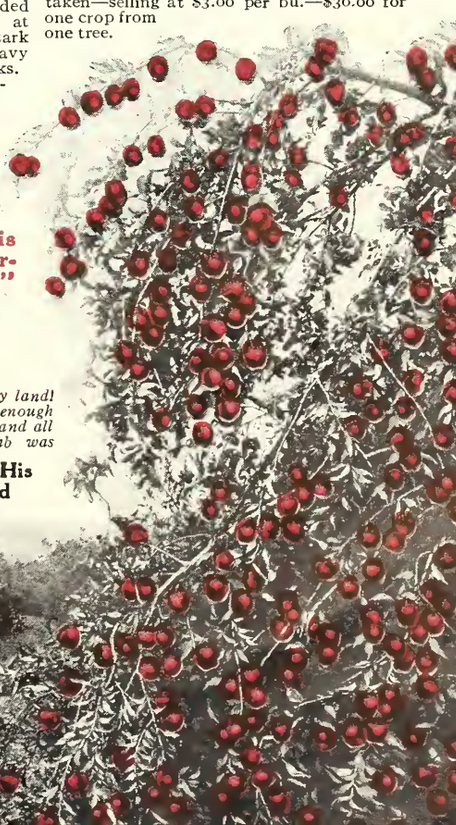
Stark Delicious Bears Big Crops

Photo of C. O. Reed's Stark Delicious loaded with wonderful crop at Koshkonong, Mo. Stark Delicious, an early heavy bearer in the Ozarks. Leading Ozark Mountain Orchardists report it their greatest apple. Rapidly replacing old sorts.

(Photo at left).

"Stark Delicious is the Best Cold Storage Apple Known"

Say the big Chicago Fruit Men.



STARK TREES BEAR FRUIT

Each Tree Loaded With Stark Delicious Apples

An astonishing demonstration of bearing ability of Stark Delicious even on poor, rocky land! Mr. Horace Rainey, owner of this Maury Co., Tenn., orchard, writes:—"I got enough from this one crop from these 15-year-old Stark Delicious to pay for trees, land and all my labor. I gathered 25 bushels from many of these trees. Not one limb was broken although bent to the ground."

Genuine ORIGINAL TREE Strain Stark Delicious Trees

Photo of Mr. Rainey in His Stark Delicious Orchard

Stark Delicious

Our Genuine ORIGINAL TREE Strain

Trade-Mark Registered, U. S. Patent Office

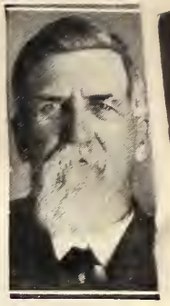
Photo above—H. Stone, Nebo, Ill., and his 3-yr.-4-mos. old Stark Delicious tree bearing big crop.

Leads All Red Apples Everywhere

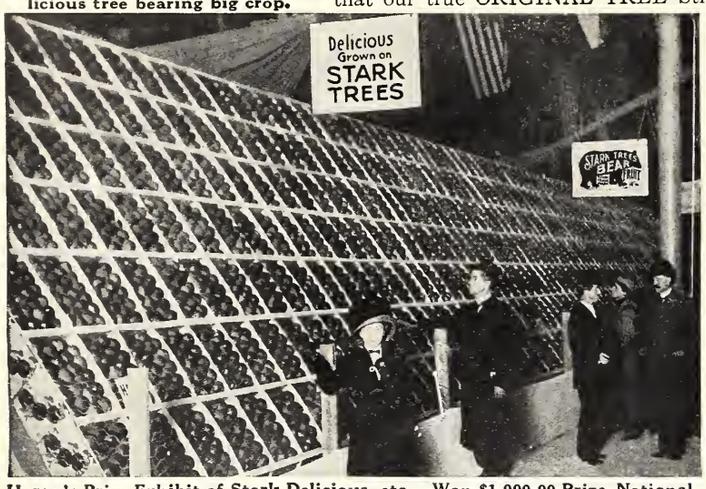
THE public no longer just wants "apples." It has been educated up to the Stark Delicious standard—the highest red apple quality produced. Show us a man, woman or child who has ever eaten a Stark Delicious apple and we will show you a person who will never again be contented with an ordinary red apple.

Practically all the growers reported enthusiastically that our true ORIGINAL TREE Strain Stark Delicious has the hardiest, heaviest bearing, most disease resistant qualities—that this apple has the most exquisite flavor, the juiciest flesh and keeps its crisp freshness longer than any other good red variety—that it is their biggest money-maker, the **Money-Tree** of their orchards.

For instance, Buck Bro's of Elberfield, Ind., got a $50,000.00 apple crop from 40 acres. They had 16 year-old Stark Delicious trees that bore as high as 20 bushels to the tree! Their Stark Delicious sold for $12.00 per barrel when other red apples were selling for $6.00. They admit that it was the Stark Delicious trees that made the $50,000.00 crop value possible.



Prof. H. E. Van Deman, ex-U. S. Pomologist and a Nationally Known Fruit Judge. He says, "Stark Delicious Trees bear fruit everywhere Have endured 40 degrees below zero safely."



Horan's Prize Exhibit of Stark Delicious, etc.—Won $1,000.00 Prize National Apple Show. Grown on OLD OAK PROCESS Whole Root Trees.

Succeeds Everywhere In Every Soil

"Stark Delicious trees are now growing and bearing fruit in all parts of the world—and are adapted to a remarkable range of climate and soil conditions," says E. P. Taylor, State Horticulturist and Consulting Expert on Horticulture.

Look at the photos of orchard scenes on this and previous pages. They come from East, West, North and South—from Missouri—from Illinois—from Virginia—from New York and the Northwest—and they are only a handful of the hundreds and hundreds of photos sent to us from growers everywhere to prove that our Genuine ORIGINAL TREE Strain **Stark Delicious trees bear everywhere.**

Letters pour in on us daily from delighted growers:

From Far North Minnesota comes this word from Harold Simmons, Horticulturist: "This season was amply demonstrative of the superior quality of Stark Delicious apple here, as last winter (stood 40° below zero) was demonstrative of its hardiness."

From Iowa—"My 10 Stark Delicious bore more than 35 trees of other varieties."—Geo Hockett, Ringold Co., Iowa.

From Arkansas—"Three Stark Delicious trees bore 35 bushels this season. Came into bearing at 4 years."—Geo. W. Walker, Marion Co., Ark.

From Indiana—"Some of my young Stark Delicious trees bore 5 bushels per tree this year."—J. J. Henwood, Fayette Co., Ind.

From Ohio—"I have 15-year-old Stark Delicious bearing from 20 to 25 bushels per tree. Have made more money than any other variety."—J. J. Bolender, Chilo, Ohio.

From Maryland—"The mistake I made was not planting my entire orchard to Stark Delicious and King Davids. Have more orders for Stark Delicious than I can supply—price no object."—D. P. Le Fevre, Cumberland, Md.

From New Jersey—"There were 45 bushels of Stark Delicious on the tree in the photo I sent you. Bears annual crops."—E. S. Marlott, Port Murray, N. J.

From Kansas—"Best flavored, very healthy tree, almost blight proof. Bear at 4 years old."—J. F. Smith, Center, Kansas.

From Nebraska—"My Stark Delicious sold at top price. Sold $1,000.00 from just 1 acre."—C. S. Ludlow, Red Cloud, Nebr.

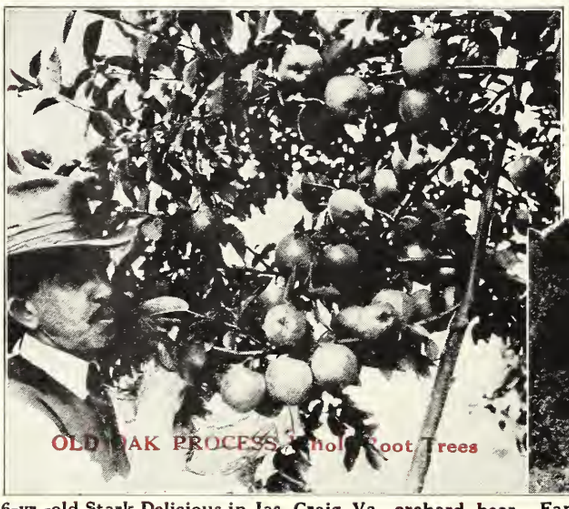
Go where you will, you will find the Stark Delicious the favorite family and commercial apple—the red apple that tops the prices on every market.

$4,000.00 Per Acre Each Year for 3 Years Straight

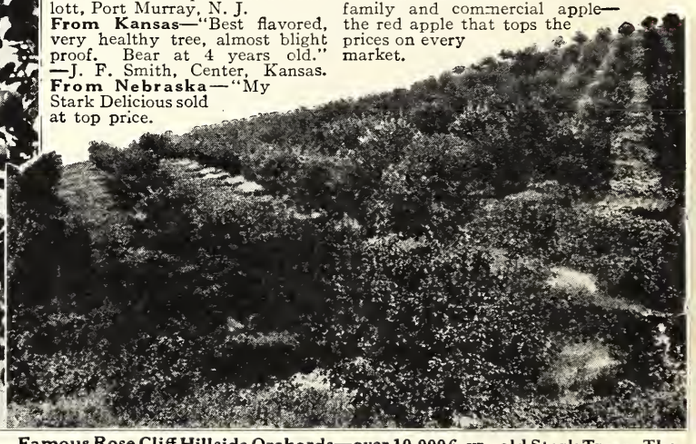
The Spokesman Review reports November 22: "Peter Levander has 1½ acres Stark Delicious trees near Wenatchee. During last 3 years it has yielded 5,715 boxes, selling for $18,140. This is an average of $6,000.00 per year from just 1½ acres—or $4,000.00 per acre per year for 3 consecutive years." In answer to an inquiry, Mr. Levander wrote to Mr. F. O. Baker of Spokane, Wash., that his trees were the Stark variety.

Best Money Maker In Missouri Orchards

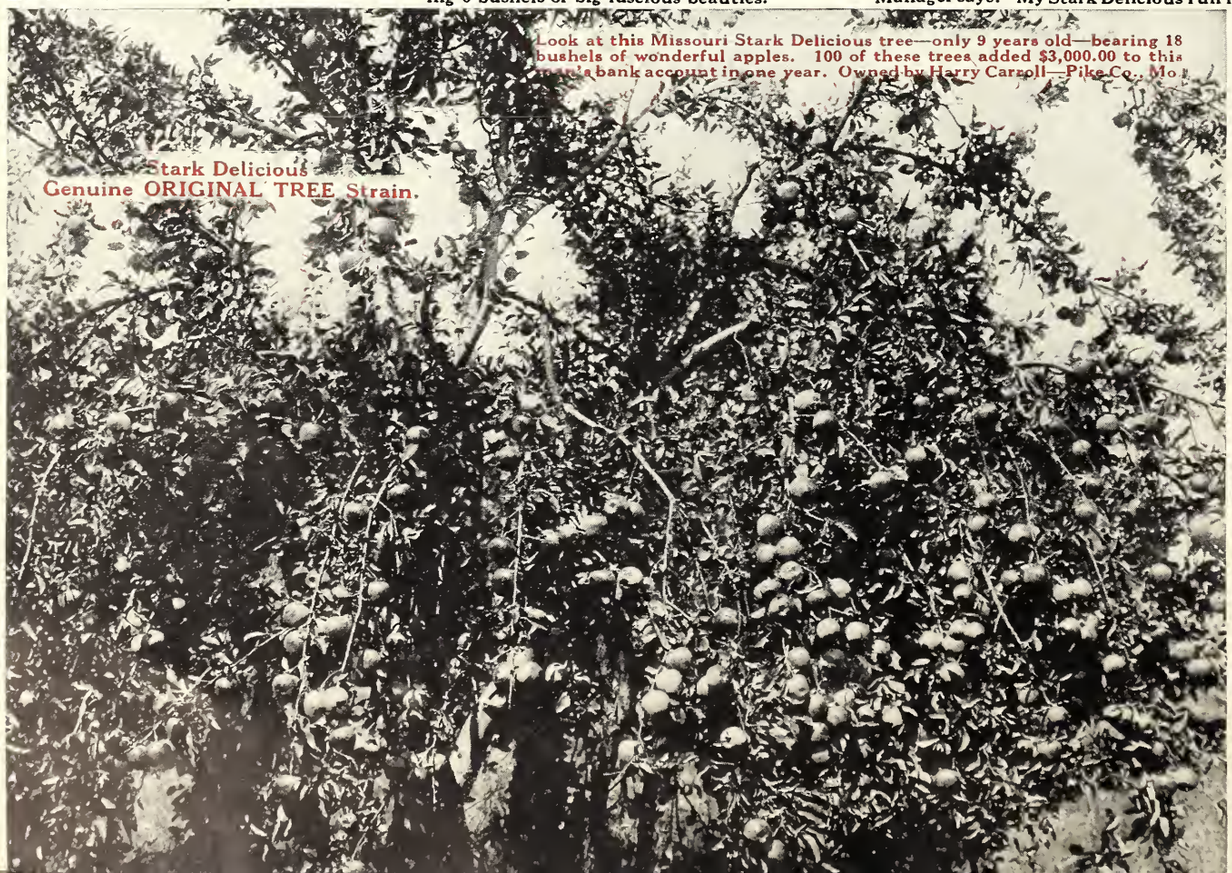
The big photo just below shows a Stark Delicious tree in Harry Carroll's orchard, near Clarksville, Mo. This 9-year-old Stark Delicious tree bore 18 bushels Prize-Size Stark Delicious. 100 Stark Delicious trees (Genuine ORIGINAL TREE Strain) yielded Mr. Carroll a crop that brought him over $3,000.00 in one year.



6-yr.-old Stark Delicious in Jas. Craig, Va., orchard, bearing 6 bushels of big luscious beauties.



Famous Rose Cliff Hillside Orchards—over 10,000 6-yr.-old Stark Trees. The Manager says: "My Stark Delicious run large. Bear young and regularly."



Stark Delicious

**King of All Red Apples

The Money Makers of America's Orchards

BEFORE Stark Delicious was grown, $500.00 per acre per year from fruit trees was unknown. Now this is not an Unusual Profit. Chris. Ringhausen, know throughout America as "Apple King of Illinois" (although a very poor man a few years ago), received **over $60,000.00 for one year's crop** from his Calhoun County, Ill., orchards, he writes: "Stark Delicious is the most profitable apple in my orchards. It bears regularly and heavily. **By having Stark Delicious to sell every year, I am able to get a better price for my entire crop than would otherwise be possible.**"

Stark Tree Orchard of C. L. Witherell, at Middlebury, Vt.

3500 Stark Delicious Trees

C. L. Witherell bought this land near Middlebury, Vt., for $40 an acre. He writes: "Seventy-four of these 11-year-old ORIGINAL TREE Strain Stark Delicious trees bore 576 bushel apples that sold for $2,460.00."

$15,000.00 from 40 Acres Each Year

Out in Morris Co., **KANSAS,** Jas. Sharpe, a former R. R. fireman, writes that 40 acres of Stark Delicious, Winesap, etc., have brought him about **$15,000.00 worth of apples per year for three straight years.** He declares: "There is more profit in an apple orchard than in an orange grove in California and Florida."

Pays 10 Times As Much As Cotton

In Lee Co., **ALABAMA,** Arthur H. Thompson, formerly in cotton and lumber business, reports: "My orchard has paid me **ten times more per acre** than cotton or corn." His ORIGINAL TREE Strain of Stark Delicious trees have yielded as much as 25 bushels per tree per year.

G. J. HOPKINS

W. G. CURD

HENRY C. CUPP

BENJ. DOUGLASS

Makes Cheap Land Worth $1000 Per Acre

C. F. Cadwell & Son, who own big orchards near Griggsville, Ill., recently bought 10,000 Stark Trees, after purchasing 8,000 the year before. They bought the last big lot to plant 160 new acres. "It is bare, rundown land **now,**" Mr. Cadwell said, "but when it has a **Stark Tree orchard** growing on it, I will refuse **$1,000.00 per acre** for it. The apple crops that I have taken off my orchards for several years totalled **more than $2,000.00 per acre!** Why should I **sell** for $1,000.00 an acre?"

Showers of Apples

The splendid genuine Stark Delicious Tree Orchards of C. M. Fette, Marion Co., Mo., were simply loaded with magnificent specimens of Stark Delicious apples. Photo to right. ➔

Nothing less than "Showers of Apples" can describe the sight of his loaded five and six-year-old Stark Delicious apple trees in this orchard. The trees (Stark Trees), look like veritable **piles of apples.** The photo to right shows one of Fette's **6-year-old** Stark Delicious bearing its **3d crop** of apples big as your two fists. Think of such a crop for the 3rd time in succession on a 6-year tree—began bearing when three years old.

23 Acres Produce $90,350.00 in 4 Years

F. F. Thayer, Chelan Co., **WASH.,** a former accountant who took up orcharding some years ago, has banked $90,350.00 as a result of his crops of Stark Delicious, Winesaps and Jonathans off 23 acres in **four years.** He writes: "If I were planting a new orchard, I would make it **ALL** Stark Delicious."

Gets $7.00 For 75 Stark Delicious

Near Fitchburg, **MASS.,** A. A. Marshall is getting wonderful crops and record prices for his harvests from his 6,000-tree orchard. His price is **$7.00 for 75 Stark Delicious** packed in carton. His **total orchard crop last year was over 20,000 bushel boxes**—which he sold under the famous Marshall guarantee, "One Dollar for every worm hole you find in a Marshall apple."

74 Trees Yield $2,460.00 Crop

Last year, just one block of seventy-four 11-year-old Genuine ORIGINAL TREE Strain of Stark Delicious trees yielded C. L. Witherell **576 bushels of glorious apples.** (See oval photo above.) All but 30 bushels graded out "Fancy" or "Extra Fancy." They brought him **Two Thousand Four Hundred and Sixty Dollars** ($2,460.00). He tells us his trees **began bearing when four years old**—and have borne every year since. He now has 1,000 more Stark Delicious 6-year-olds that he declares are producing a bumper crop this year.

Afterwards he wrote: "We have just sent our last car of Stark Delicious to New York (grown on ORIGINAL TREE Strain trees). Getting **$6.00 per bushel box** in New York wholesale markets for the run of fancy Stark Delicious. (Fancy McIntosh apples sold for $5.00 per barrel in same market same day.) Price for special selected Stark Delicious is $8.00 per box."

Big Crops—Big Prices

Look at the 4 photos at the left of this page.

G. Hopkins, the famous Virginia planter, says that Stark Delicious trees are his best profit-makers. 40 trees in one block brought him 400 barrels.

W. G. Curd, near Saverton, Mo., has made cheap, hillside land bring him a comfortable fortune. He is an enthusiast over both Stark Delicious and Stark's Golden Delicious.

Henry Cupp, the Illinois fruit grower, says, "I have sold all my Stark Delicious apples for $3.00 to $5.00 per bushel."

Benj. Douglass, Mgr. of noted Trevlac Orchards, Ind., states, "We always sell our Stark Delicious at a fancy figure."

Mrs. G. J. Hopkins, wife noted Va. grower, and 5-year-old Stark Delicious that bore 3 bu.

Genuine ORIGINAL TREE Strain Stark Delicious

Fette's 6-Year-Old Stark Delicious

Virginia Growers Plants Both "Delicious"

Garland J. Hopkins, owner of the famous Garland Orchards of Virginia, is a great Stark Delicious enthusiast. After making thousands from his Stark Delicious trees, he came to Louisiana recently and placed, in addition to a big order for Stark Delicious (red), an order for 500 Stark's Golden Delicious. Later, he said, "Wish now that I had bought 1,500 Stark's Golden Delicious instead of 500."

9-Year-Old Stark Delicious Bending to Ground in Carroll's Pike Co., Mo., Orchard. One of 100 trees that helped bring him $3,000.00 from one crop—$1,500 an acre per year.

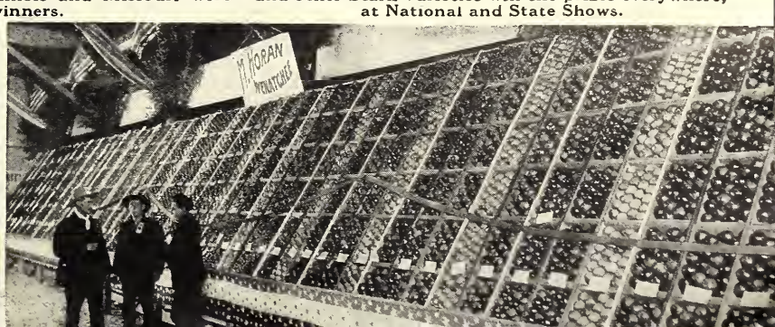
ORIGINAL TREE Stark

STARK TREES BEAR FRUIT

STARK TRADE MARK

Enormous Stark Delicious from 19 States. This year they were shown from 28 States. See Photo below.

Great Stark Bro's Apple Show at Louisiana, Mo. (Below to left.) Stark Delicious were shown from 28 different States. N. J. won the Blue Ribbon; Indiana won the Red Ribbon. Illinois and Missouri were close to winners.



Stark Trees Bear Winning Fruit. (Below.) $1,000.00 Prize Exhibit—Grown on Stark Old Oak Process Whole Root Trees, by M. Horan. Stark Delicious and other Stark Varieties win the prizes everywhere, at National and State Shows.

YELLOW TRANSPARENT
DUCHESS
(Oldenburg)
HENRY CLAY
(Trade-Mark)
EARLY HARVEST
ARLY
ELON
LIVELAND
RASPBERRY
STARK
SUMMER QUEEN
WILSON RED JUNE
EARLY
RED BIRD

WEALTHY
SWEET BOUGH
BANKS RED
GRAVENSTEIN
LOWELL
IMPERIAL
RAMBO
SUMMER
CHAMPION
MAIDEN BLUSH
JEFFERIS RED
BUCKINGHAM
IMPROVED
STARK

Early Summer Apples—Apple Ripening Seasons

VARIETIES are listed below in order of Ripening—the Earliest Sorts at the Top, the Latest Winter Keepers at the Bottom. It makes easy selections for home orchards, giving fruit from earliest until the latest. Varieties starred thus (*) are HIGHLY RECOMMENDED. **Those in Red Type** have Proven Best of their type and season. Those followed by —2nd— are Second Choice varieties, superseded by better sorts. These 2nd Choice Varieties have been tried and found wanting in our Over 100 Years' Experience. Life is too short to plant out-of-date varieties.

Adaptability—After each description are key letters, showing region where the Variety thrives best—**N** means succeeds North; **NN** far North; **S** South; **C** Central; hence **NCS** means succeeds everywhere—North, Central and South.

STARK TREES BEAR FRUIT

Order Of Ripening

The apples described here are the best of over 5000 known varieties—Those starred thus(*)in red type are best.

EARLY SUMMER
*Early Red Bird
*Henry Clay (Trade Mark)
*Liveland Raspberry
Early Colton—2nd
*Yellow Transparent
Early Harvest
Benoni—2nd
Red Astrachan—2nd
Red June
Early Ripe—2nd
Sweet Bough
Williams Early Red—2nd

SUMMER
*Stark Summer Queen
*Duchess
*Wilson Red June
Chenango Strawberry —2nd
*Summer Champion
Old Wife Pippin—2nd
Yellow Horse—2nd
*Jefferis Red
Am. Summer Pearmain —2nd
Maiden Blush

FALL APPLES
Lowell
*Banks Red Gravenstein
*Early Melon
Patten Greening—2nd
Fall Pippin—2nd
*Wealthy
Fall Cheese—2nd
Rambo
Imperial Rambo
Wolf River—2nd
*Buckingham Imp. (Stark Strain)
*Mother

EARLY WINTER
Wagener—2nd
Fameuse—2nd
Hubbardston Nonsuch—2nd
N. W Greening
*McIntosh Red
King Tompkins—2nd
Tolman Sweet—2nd
R. I. Greening—2nd

WINTER APPLES
Baldwin
Northern Spy
Kinnaird Choice—2nd
Banana (Winter Banana)
Bellflower, Yellow—2nd
Bellflower, Improved
Ortley (White Bellflower)—2nd
American Golden Russet—2nd
Steele Red (Canada Red)—2nd
Grimes Golden
**Double-Life Grimes Golden (Trade Mk.)
*Jonathan
**Stark King David (Trade Mark)
Lowry (Dixie)—2nd
*Rome Beauty
*Red Rome Beauty
Spitzenburg (Esopus) —2nd
Vandiver Impr.—2nd
Virginia Beauty—2nd
Paradise Winter Sweet
Lady Sweet—2nd
Pryor Red—2nd
Akin Red—2nd

LATE WINTER
White Winter Pearmain—2nd
*Senator (Trade Mark)
York Imperial
Minkler—2nd
Mammoth Grimes Golden
White Pippin
Albemarle Pippin—2nd
Newtown Pippin—2nd
Jeniton (Ralls Janet)
*Champion (Trade Mark)
Ark. Black—2nd
Stark—2nd
*Mammoth Black Twig Impr.
*Gilbert Winesap
**Stayman Winesap
*Paragon Winesap
*Winesap (Virginia Winesap)
*Giant Jeniton (Trade Mark)
**Stark Delicious (Trade Mark)
**Stark's Golden Delicious (owned and sold only by us)
Willow Twig
**Black Ben (Trade Mark)

*Early Red Bird

(Erroneously known by some as Crimson Beauty.) *Earliest of all apples and strikingly beautiful*—a fiery, flaming, scarlet red apple of good size that **ripens 7 to 10 days earlier than Yellow Transparent** and Red Astrachan. Tree strong growing, vigorous, extremely hardy, bears young and produces tremendous annual crops. Comes on the market earlier than any other apple, and being wonderfully attractive have sold for **double the price of Yellow Transparent** and Astrachan. Just what the early apple grower wants for big profit. **Eating, Cooking, Market. NNCS.**

We do not hesitate to recommend Early Red Bird for every home orchard—and we believe it is the long looked for extremely early apple for the commercial orchard. Prof. Sanders, Canadian Dept. Agri., says: **"Earliest apple,** young bearer—half bushel on 2-year trees; better shipper than Yellow Transparent. 15 acres in one year brought Mr. Chute 1,500 bbls., sold at $7.00—or $10,500.00." Mr. Adney, son-in-law of Mr. Sharpe, famous originator of this apple, says. "Remarkably prolific, extremely hardy, never winter kills. 10 days earlier than earliest early apple. **Occupies a place no other apple fills."**

*Henry Clay

(Trade Mark.) **Yellow Apple.** *Very Early Summer.* **Earliest** Large pale yellow, sometimes with crimson cheek. Looks like Maiden Blush, but is better, **more beautiful, 2 months earlier,** and ripens its crop quickly and evenly. Tree strong growing, spreading, regular and abundant bearer; blooms late, is **hardy** and is earlier, larger, better quality and a better shipper than Yellow Transparent. No early Yellow Apple has such **Excellent Quality.** Commands top prices on all markets and its value is being recognized by orchard planters everywhere. Should be planted in every home orchard as well as commercially. The apple eating public will always pay liberally for this beautiful apple, as it comes on the market when people are apple hungry. **Eating, Cooking, Market. NNCS.** "Best extra early apple"—Frank Femmons, Calif. "The **most delicious** apple I ever tasted."—R. F. Rutledge, Tenn. "Very hardy and thrifty; yellow, reddish cheek, very fine flavor"—M. Roach Mont. **"Larger** than Yellow Transparent, **two weeks earlier** than Williams; sells at better price; no signs of aphis or blight. We consider it one of the best apples."—N. J. Fruit and Produce Co. "Resembles Maiden Blush—nearly 60 days earlier, better, **has never failed** a crop."—W. H. Knight, Originator, Ky. **Introduced by Stark Bro's.**

Col. G. B. Brackett, U. S. Pomologist. Read his statement on Liveland Raspberry, below.

*Wilson Red June

Summer. **Enormous in size** for an early apple. A brilliant glorious deep red—resembles Black Ben, and ripens just as Red June goes out, fine quality. Tree extremely hardy, succeeding perfectly in Minnesota and Wisconsin—**standing 40 degrees below zero** without injury. Its **marvelous beauty** always sells it—has brought as high as **$16.00 per barrel** on Kansas City markets. No other summer apple can compare with it in size and beauty, while it ships well and goes on the market in fine shape. **Eating, Cooking, Drying, Market. NNCS.**

"Wilson Red June are **Whoppers;** they take the eye."—J. H. Watson, Wash. "One of the most beautiful apples I ever looked at, and it eats as good as it looks. One of the best family orchard trees."—H. B. Fullerton, L. I. Exp. Sta. **"Showiest large** apple of its season; reliable bearer."—B. Buckman. Ill. "The sensation of the orchard was the crop of huge apples borne by the young Wilson Red June tree."—L. R. Johnson, Cape Girardeau Co., Mo. "Exceptionally early bearer; an enormous red apple; **flesh snow white,** quality excellent."—T. H. Atkinson, Wash. **Int. by Stark Bro's.**

6-Year-Old Duchess—Splendid Filler

*Duchess

(Oldenburg.) *Summer* Old, well known, well liked, largely planted. Medium size, bright red striped. Tree vigorous, hardy, young bearer, and is **widely planted and profitable. Eating, Cooking, Market. NNCS.**

Early Harvest

Summer. Pale yellow, slightly sub-acid, good quality; an old favorite, but it scabs. **Eating, Cooking, Market. NCS.**

Yellow Transparent

Ripens just after Early Red Bird, and is popular and **profitable.** Large waxen yellow, good, crisp, sub-acid, fragrant. Tree upright in growth, very hardy. **Eating, Cooking, Market. NNCS.**

*Liveland Raspberry

Early Summer. H. B. Fullerton, L. I. Exp Sta., says: "Far and away the best early apple. Larger than Yellow Transparent, waxen white surface almost entirely overspread with a blush and stripings of pinkish red; flesh white as snow, tender, fine grained, **delightful quality.** Tree upright, hardy, healthy, and can be planted as close as peaches; hardy far North and was never known to be seriously injured by blight. Plant Early Apple Orchards of Liveland Raspberry, Wilson Red June, Henry Clay, and Early Red Bird for quick and sure profit. **Eating, Cooking, Market. NNCS.**

"Succeeds well on the Delaware and Maryland Peninsula."—A. N. Brown. "Should **take the place of Yellow Transparent**—one of the **most beautifully colored** fruits ever placed on the market."—G. B. Brackett, U. S. Pomologist.

Henry Clay (below) Heavily Loaded, Big, Earliest Yellow Apple, Fine Flavor—No Blight.

*Banks Red Gravenstein

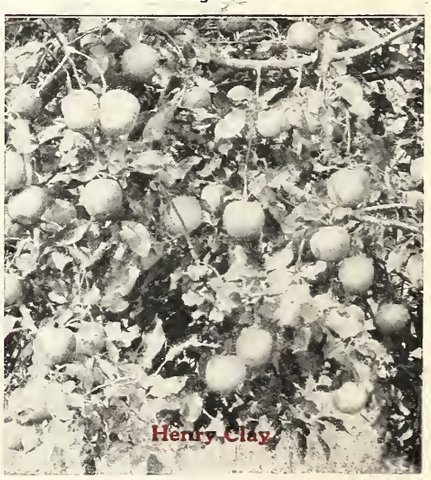
Late Summer. Gravenstein in everything but color. As it is deep red, can be marketed 10 days earlier. Large, strikingly handsome. Excellent quality. Tender, crisp, pleasant acidity—aromatic. Strong grower. Regular heavy bearer. Grown by our "Double Life" method to prevent collar-rot. **Eating, Cooking, Drying. NCS.**

*Early Melon

Fall. John M. Francis, Adams Co, Ill., writes: "Am growing **33 varieties** and **Early Melon beats them all.** They equal Wealthy in size and quality and trees bear heavy crops." Large, striped and splashed with crimson, crisp, juicy, sub-acid, excellent quality and one of the finest for **apple pie,** sauce or dumplings. Tree large, spreading, hardy, bears full but does not break. Plant everywhere. **Eating, Cooking, Cider, Market. NCS.**

*Stark Summer Queen

Summer. A large, bright red striped Summer apple of **splendid quality.** It is a seedling of the old Early Pennock, fruit about the same size, but earlier, better quality, better in every way. A fine apple for the home orchard and local market. **Eating, Cooking, Market. NCS. Introduced by Stark Bro's.**

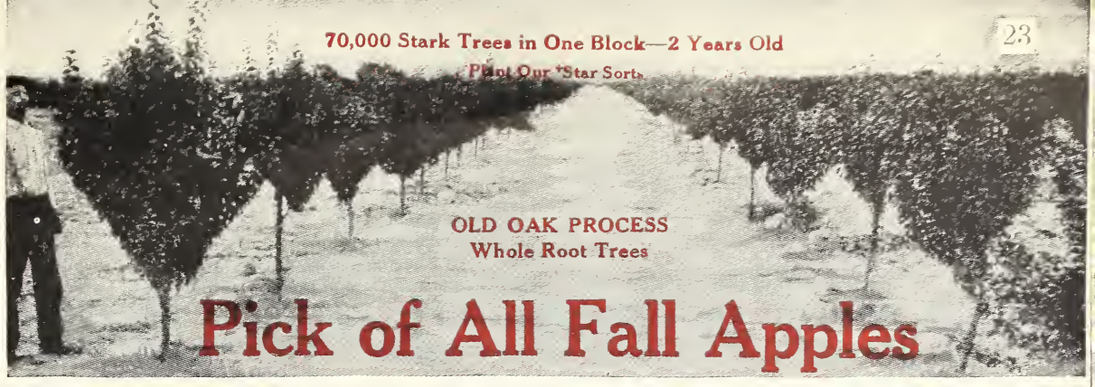


Stark Ozark Mtn. Apple Tree Nurseries

Photo to left shows one of our great fields of famous Ozark Mt. apple trees. Here we grow millions—leading authorities pronounce these the biggest roots and best tops grown in America. Clean cultivation, finest apple soil and climate in the U. S., and over 100 years' experience make these OLD OAK PROCESS and DOUBLE-LIFE PROCESS Stark Trees fastest growers, youngest bearers, heaviest croppers, biggest money-makers. Trees in foreground are Genuine ORIGINAL TREE STRAIN Stark Delicious—18 months old.

Loading a Train with Stark Trees
Notice Splendid Stark Package

Our own Railroad tracks permit loading direct into Express Cars from our packing houses—built scientifically, after 108 years Stark experience.



70,000 Stark Trees in One Block—2 Years Old
Plant Our *Star Sorts

OLD OAK PROCESS
Whole Root Trees

Pick of All Fall Apples

***Wealthy** *Fall.* Best of all fall apples. Noted for its hardiness, and extensively grown East, West, North and South—**everywhere the best of its season.** It has made good in a big way. Tree a strong, spreading grower, **bears extremely young and every year.** Remarkably free from disease and long lived. The fruit is attractive, brilliant red striped, medium to large. Quality is superb—a wonderful **wine-like flavor,** and full of refreshing juice. Its planting is increasing from year to year—because it pays. For both the home and market orchard it should be largely planted, filling the gap in ripening between Maiden Blush and Jonathan. Wealthy, Stark Delicious and Senator make an ideal combination for the Northern orchard, where hardiness is the first consideration. **Eating, Cooking, Cider, Drying, Market. NNCS.**

Wonderful money maker. "From 30 Wealthy trees, picked $1,100.00 worth of fruit"—T. J. Maney, Iowa Exp. Sta. **"Best of its season**—for hardiness, productiveness and early bearing; recommend for all sections. Few apples show such wide adaptability. Very refreshing for dessert. Fine for sauce and pies"—Ohio Exp. Sta. **"Bears almost as soon as set out**—and bears heavily and persistently."—Rural New Yorker. **"Very best Fall apple."**—Ill. Hort. Soc. **"Fine commercial variety for New Jersey."**—N. J. Exp. Sta. **"Close approximation to perfection."**—Country Gentleman. **"Should be planted by the millions**—Frost Proof, finest drying apple."—Chas. Scott, Brice, Mo. **"Valuable all over the North Central West."**—C. G. Patten, Iowa. **"Bears heavily every year**—Good to cook when only half grown."—John Cottle, Ohio.

***Summer Champion** *Summer.* A Winner Everywhere. A big, handsome, brilliant red striped apple, excellent quality and good for all purposes; best keeping and shipping summer sort. Ripens between Wilson Red June and Maiden Blush. Good orchard tree, with heat and drouth-resisting foliage. Brings as high as $12.00 per barrel. We strongly recommend for home and market, especially throughout Central States. **Cooking, Eating, Cider, Market. NCS.** Introduced by Stark Bro's.

*STARK FLORENCE CRAB

"Worth All Others Put Together"

Summer. Most valuable crab we have tested—and we have fruited them all. Bright, ruby red, striped crimson. Tree dwarf, spreading, young bearing, extremely hardy, blight resistant; in blossom a marvelous sight—ideal ornament for lawn. Delicious for sauce, wonderful for jelly, jam, preserves, cider; the housewife's favorite. Plant close—12 ft.; splendid filler. **Eating, Cooking, Market, Cider. NNCS.**

***Buckingham Improved** (*Stark Strain.*) *Late Summer.* Large mottled red, striped with bright carmine; erroneously known as "Fall Queen," which it far excels; crisp, juicy and recommended for home orchards. Tree a young and sure bearer, spreading, vigorous, long-lived. Fruit medium large, bright red, rich, very juicy, brisk, sub-acid, finely flavored. Our strain from a Pike Co., Mo., orchard, where it proved a wonderful apple. **Fine for preserves.** Bears when others fail. **Cooking, Cider. NCS.**

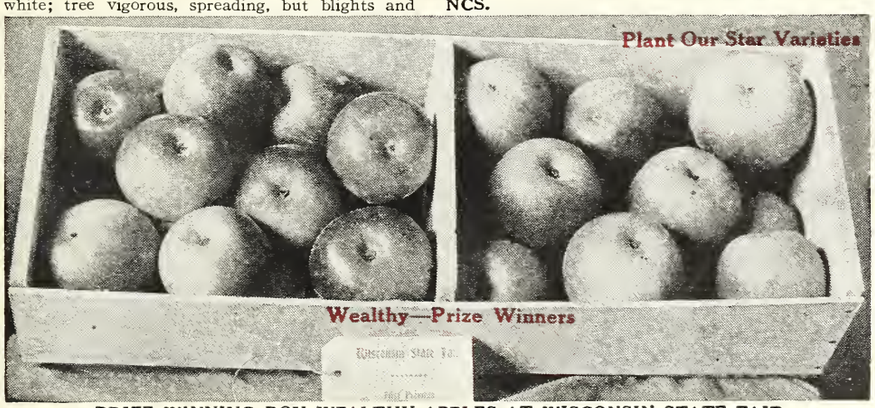
***Jefferis Red** *Summer.* An extra good late summer apple. "Among the best 17 varieties out of 1200 sorts tested," said Prof. Burrill, Ill. Exp. Sta., years ago. The red strain came from Montana—the same delicious old Jefferis, but much brighter red. Beautiful mottled crimson; luscious, tender, juicy, rich. Tree hardy, vigorous, upright. A favorite of the late Clarence M. Stark, a noted judge of fruits, and for many years President of this Company. **Eating, Cooking, Market. NCS.**

Maiden Blush *Early Fall.* An old well known apple, grown by us for over half a century. Pale lemon yellow, bright blush; good quality, fine for drying, as it drys very white; tree vigorous, spreading, but blights and sometimes collar rots; bears young. Summer Champion is better. **Cooking, Eating, Drying, Market. NCS.**

Lowell (*Orange Pippin.*) *Early Fall.* Large, waxen yellow, with the appearance of a big Grimes Golden; rich sub-acid, pleasing aroma. **Excellent for home use,** but does not ship as well as Summer Champion or Maiden Blush. Tree spreading, bears young and regularly. Sometimes blights. "A Lowell tree nearly 100 years old has borne almost every year for 48 years."—L. J. Farmer, Pulaski, N. Y. **Eating, Cooking, Drying. NCS.**

Rambo, Imperial *Early Fall.* Of old Rambo type, but handsomer, larger, better. Sometimes called Summer Rambo. Red striped, rather flat. Rich, mild flavor. Tree vigorous, rather open, spreading. Has all good points of old Rambo without its faults; fruit does not crack. **Eating, Cooking, Drying. NCS.**

Sweet Bough (*Early Sweetheart.*) *Summer.* A pale yellow medium size, delightfully flavored sweet apple that was popular in the older orchards; still planted in home orchards. Tree rather bushy, bears well, fruit ripens through a long season. Rather sweet for pies and sauce, but an ideal dessert apple. **Eating, Drying. NCS.**



Plant Our Star Varieties

Wealthy—Prize Winners

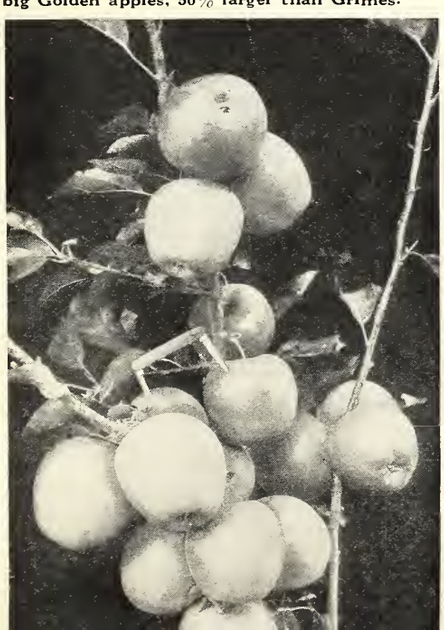
PRIZE WINNING BOX WEALTHY APPLES AT WISCONSIN STATE FAIR

A tree that is iron-clad in hardiness, fruit with smooth velvety skin, alluring color and exquisite sub-acid flavor combines to make Wealthy the best liked and most popular and profitable fall apple.

Three-year-old Stark Florence Crab Tree bearing over a bushel of rosy cheeked fruit. (Above.) Photo shows the late C. M. Stark who visited the Original Florence Tree, recognized its value and arranged for us to introduce it.

OLD OAK PROCESS—Whole Root Trees

Photo below shows 18-Month-Old top graft of Stark's Golden Delicious—extra heavy crop of big Golden apples, 50% larger than Grimes.



STARK TREES
REG. U. S. PATENT OFFICE

A Wealthy Tree in the Missouri orchard of Mr. H. A. Squires simply loaded with beautiful fruit that brought highest prices. North, South, East and West—everywhere—Wealthy bears immense crops—and it always pays—the best of all Fall apples.

STARK
KING DAVID
(Trade-Mark)
BANANA
STARK
KING DAVID
DOUBLE-LIFE
(Trade Mark)
GRIMES GOLDEN
JONATHAN
NORTHWESTERN
GREENING
BELLEFLOWER
IMPROVED
McINTOSH
RED
MOTHER

COPYRIGHT 1914 BY STARK BRO'S N. & O. CO.

DOUBLE-LIFE GRIMES GOLDEN

Stark Bros Trade Mark

Winter Apples

"Double-Life" Grimes Golden

Stark Bro's Triumph

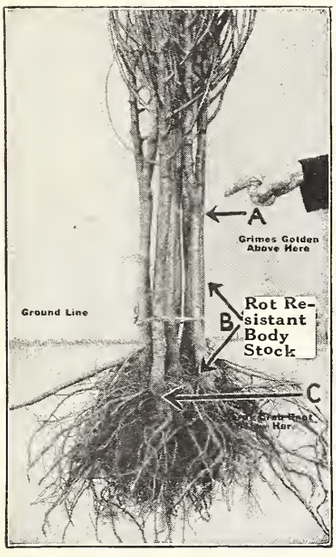
The Grimes Golden tree has a fatal fault — collar rot, causing the death of thousands of acres of Grimes Golden trees just when they should be most profitable—at 12 to 15 years of age. To control this bad habit, our years of experimenting has perfected our "Double-Life" method of growing which insures long life and strength to the Grimes Golden tree trunk, and should double the value of this variety in the orchard.

DOUBLE-LIFE PROCESS "Stark Trees"

STARK TREES BEAR FRUIT

"Double-Life" Grimes bear enormous crops and easily live twice as long as ordinary Grimes trees

*Winter. The famous, spicy Grimes Golden apple, for over 50 years the **Queen of Quality** among apples. Medium size, beautiful golden yellow, conical shape. **Possesses an alluring flavor** that is surpassed or **equaled by only one yellow apple—Stark's Golden Delicious.** A moderately spreading grower, makes a beautiful orchard tree. The **tree trunk, however, is subject to collar rot** and is short lived, but the Stark "Double-Life" Process of growing the tree eliminates this fault. This "Double-Life" Process, Trade-Marked by Stark Bro's, as conceived and completed here at Louisiana, Mo., injects into Grimes Golden trees the blood of **long life—the stamina and roots of a sturdy tree.** The increased vigor results in a Grimes Golden tree that will bear more, bigger and better apples. And—because it **Doubles the Life of the Tree, it more** than doubles the profit to the grower, for it adds years to the life of Grimes Golden trees. "Double-Life" Process is Trade-Marked and trees **can be sold only by Stark Bro's. Eating, Cooking, Cider, Market. NCS.** Trade-Marked and perfected by Stark Bro's.



How They Are Grown

We start with carefully selected French Crab Roots. (See C in photo.) To each is grafted a long scion of sturdy Rot Resistant Stock, which forms the main mass of lusty root growth and the trunk. (See B in photo.) High up on this disease resistant "Double-Life" body is added the Grimes Golden Bud. (See A in photo.) Result—a "Double-Life" Grimes Golden tree. Wood of Grimes Golden well above ground. Can be no collar rot—and trunk becomes stronger at union than any other point.

Costs More, But It Pays

This is an expensive process for us—requiring 3 full years in our nurseries to produce a one-year "Double-Life" Grimes Golden tree. But we have double reward in saving this great apple for American Orchardists and practically doubling its life. To give the famous "Grimes Golden" the added value of the sturdiness of this Long Life Stock—this is a triumph of which we are justly proud.

**Stark King David (Trade Mark)

Winter. Bore all over the U. S. when all the old standby apples were killed by frost. Late bloomer—sure bearer. Youngest, heaviest bearer we have ever fruited, except Stark's Golden Delicious. Full of spicy, wine-like juice—flesh, rich cream color. Averages larger than Jonathan, is a solid deep (almost black) red. A fruiting King David tree is **a glorious sight.** At a distance looks like an immense pile of black wine-red apples. Tree is spreading, vigorous, and no tree will bear more bushels. We found this marvelous apple many years ago on a trip over a rough Ozark Mountain road—still **loaded with gloriously colored apples, October 25th,** 5 weeks after Jonathan had fallen. After careful investigation we bought it. Has made good all over America in both home and commercial orchards. Always commands Top Prices. **Eating, Cooking, Cider, Market. NCS.** Introduced by Stark Bro's.

For a filler tree no variety is better. The youngest bearing good red apple. B. F. Carroll, Kearney Co. Neb., writes: "Out of 20 varieties King David is our best seller. It is highly colored, uniform in size, unsurpassed in flavor—better than Jonathan; the tree is an annual bearer, free from blight, forms the finest head and the fruit hangs longer than Jonathan. You cannot over-estimate or over-push King David."

"King David was best—bore from 12 to 16 bushels per tree." —John E. Walters, Newton Co., Ark. "King David is the monarch, emperor—best of all." —W. H. Scott, Laclede Co., Mo. Prof. Ralston, Va. State Hort., writes: "Herewith picture of King David full of apples showing frost resistant, since other varieties near it failed."

John Bennett's loaded 3-year-old Stark King David bearing its second crop. Always a young bearer and produces immense crops.

Jonathan *Winter.* A nationally known and universally liked **brilliant red** apple with a wonderful spicy, rich flavor that has made it a national favorite. It is widely adapted and largely grown throughout the northwest, central west, east and south—everywhere except the far north. In the great Mississippi Valley section, **Jonathan is one of the most profitable** kinds. Jonathan, Stark Delicious, Stark's Golden Delicious, Stayman Winesap, Stark King David, Black Ben and Grimes Golden, are the varieties most largely planted in up-to-date commercial orchards. **Eating, Cooking, Cider, Market. NCS.**

Jonathan is a good orchard tree, rather spreading in growth, **extremely long lived—practically canker immune.** Comes into bearing young. Its heaviest crops are borne every other year—a heavy crop and then a light one. "Always juicy—one of the best early winter, home or market; juicy to the last."—Prof. H. E. Van Deman, ex-U. S. Pomologist. "The man who can successfully grow Jonathan has the financial problem of apple-growing solved."—Thos. F. Rigg, Hardin Co., Iowa.

***McIntosh Red** *Early Winter.* A tender, juicy apple with a peculiar fragrance that makes it popular on the fancy fruit stand and well-liked for home and kitchen use. Uniform in size, beautiful crimson, **flesh crisp, delicate—almost snow white.** Our propagation is from a selected Montana Red McIntosh orchard and is **carefully kept pure.** The tree is long-lived, extremely hardy, a strong spreading grower and comes into bearing young. **Eating, Cooking, Drying, Cider, Market. NNCS.**

Banana *Winter.* Clear yellow with a delicate pink blush. Has a suggestive banana flavor. The planting of this variety declining because Stark's Golden Delicious is far superior. It bruises easily. Requires careful handling. A good grower, hardy; a young bearer, blooms late. **Eating, Cooking, Drying, Market. NCS.**

†**Mother** *Fall.* Some apple lover has called Mother "Fall Delicious," and the name is appropriate. It is a handsome red apple, and of very finest quality—rich and mild. Tree a late bloomer, dependable bearer. **Eating, Cooking, Cider, Market. NCS.**

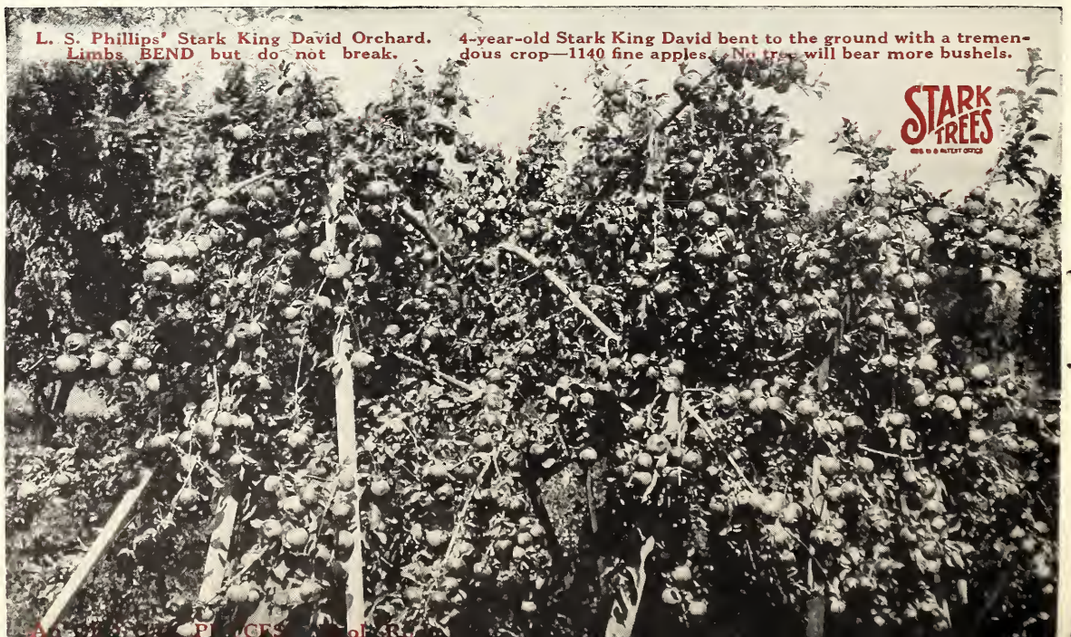
Bellflower Improved (*Mason's Orange.*) *Winter.* A Kansas seedling of Bellflower. Best of its class—a young bearer. Originator says: "Out-bears all others in my orchard; never failed a crop since five years old." Wm. Cutter of Colorado says: "Will outbear Old Bellflower two to one." **Eating, Cooking, Drying, Market. NCS.**

Northwestern Greening *Early Winter.* A large greenish yellow apple of only fair quality, but splendid for cooking. **Cooking, Drying, Market. NNC.**

100,000 Double-Life Grimes Golden Trees in a Stark Nursery Block, Rows a mile long.

L. S. Phillips' Stark King David Orchard. Limbs BEND but do not break.

4-year-old Stark King David bent to the ground with a tremendous crop—1140 fine apples. No tree will bear more bushels.



Late Winter Apples

25 Boxes from these Winesap trees (to right) won $500.00 in Gold at N. Y. Land Show. This orchard of Mrs. Rowland's shows the result of planting strong scientifically grown Stark Trees. Our Winesap trees are from an especially valuable Va. tree with a great bearing record.

STARK TREES
REG. U. S. PATENT OFFICE

***Red Rome Beauty** *Winter.* This magnificent apple—an improved strain, has every good point of the Rome Beauty, and in addition it is a brilliant dark red in color, adding tremendously to its value. We are growing and fruiting several red strains of this popular old apple, but are concentrating on the Dark Red Strain from the orchard of U. T. Cox, Proctorville, Ohio—probably the most noted Rome Beauty grower in America. It is a **deep dark red apple,** large, tender, juicy, good quality; hardy, one of the latest bloomers, and bears heavy crops every year. Last season it was **one of four varieties out of 200 in our orchards** that came through the killing late spring frosts and bore a crop of fruit. **Cooking, Eating, Market, Drying. NCS.**
Introduced by Stark Bro's.

***Rome Beauty** *Winter.* Favorably known on every market. Grown by us since 1853. A large light red apple that is tender, juicy, good for eating fresh and keeps well. The tree is rather compact, with slender branches, is an **extremely late bloomer,** often escaping late spring frosts and bearing when early bloomers are caught; enormously productive, bears young, cooks evenly and quickly. Splendid baked. In Ohio **40 trees** in I. T. Lewis' orchard **bore 1,429½ bushels. Cooking, Eating, Drying, Market. NCS.**

***Winesap** (Stark Virginia Strain.) *Late Winter.* A Rich-Wine-Flavored, late keeping variety, growing in popularity East, South, Central West and far West, as orchardists learn how to grow it to perfection. In Virginia, where it is at its best, we have for years looked for a superior Winesap tree. We visited all sections of that great Winesap State, as well as other leading fruit sections, and finally found the **remarkable tree we were looking for** in the famous G. J. Hopkins Virginia orchard. In **Vigor** and **Regular, Heavy Bearing,** this tree certainly has the **Best Record in the U. S.** It stands in a large Winesap orchard and according to 8-year carefully kept records, has **outborne** and **outgrown** any of the **other Winesaps**—and the **fruit is superior.** Last year it bore **18 barrels,** the year before 16 barrels, during the entire **8-year period** it **averaged 15 barrels.** Prior to this the owners noticed it continually bore regular, heavier crops. **Our Splendid "Virginia Strain" Winesap** is **from this Record Breaking Tree,** to which we have **Exclusive Propagating Rights.** Winesap is standard in the East, South, West. In the Central West its great value is now being recognized and it is being planted heavily, **Eating, Cooking, Cider, Market. NCS.**

York Imperial (*Johnson's Fine Winter.*) *Late Winter.* A large lopsided apple, pinkish red with faint stripings of darker red; crisp, firm, rather coarse, fair to good quality; none better for baking, keeps well but has a tendency to scald. **Eat, Cook, Market. NCS.**

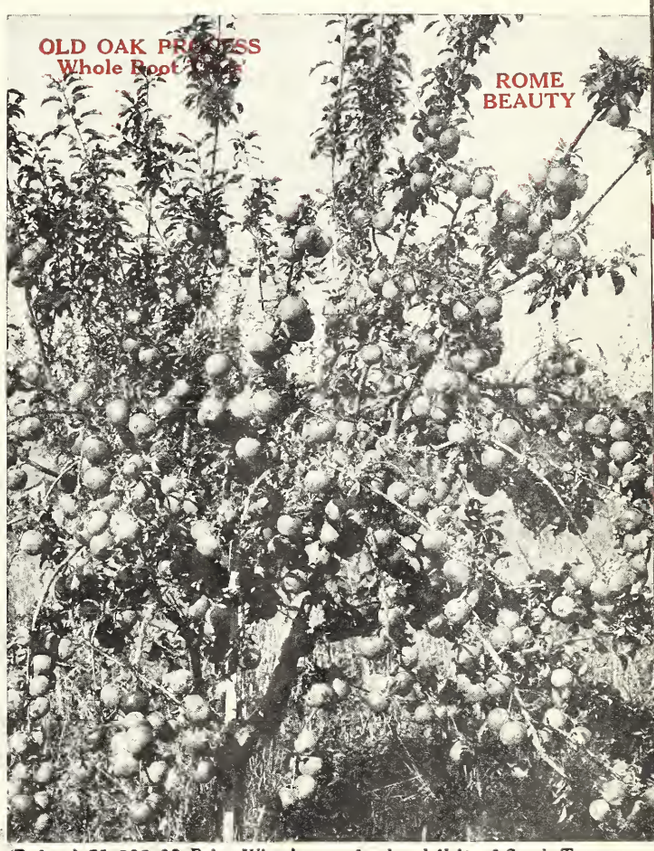
White Pippin (*Col. Brackett Strain.*) *Winter.* We grow a special strain from W. Va. sent to us by the U. S. Pomologist, as the best type of this apple. The tree is a vigorous grower, hardy, bears big crops every year. Fruit large to very large, a light waxen yellow sometimes faintly blushed red. The equal of Yellow Newtown or Albemarle Pippin in quality. The tree **succeeds everywhere;** free from disease, and we recommend it wherever an apple of this type is wanted. Stark's Golden Delicious far superior. **Cooking, Eating, Market, Drying. NCS.**

Willow Twig *Latest Winter.* A large apple, pale green, mottled, striped and blushed with lively red. Will **keep till apples come again.** The tree is spreading and does not bear young. In some sections of Missouri and Illinois and a few other favored localities, it is profitable, but for general planting we do not recommend it, as it is a poor grower and subject to canker. Sometimes blights. Stark Delicious, Stayman Winesap, Stark King David, Stark's Golden Delicious, Black Ben, etc., are more satisfactory. **Market, Drying, Cooking. NCS.**

Baldwin *Winter.* A celebrated winter apple East, but a fall apple West and South. It averages somewhat above medium size, rich dark red, juicy, sub-acid, fair to good; trees large, spreading, slow coming into bearing, scabs badly, is a biennial bearer, and fruit is very susceptible to Baldwin Spot. The indications are that **Baldwin will be eventually replaced** by better varieties. Stark Delicious, Black Ben, Rome Beauty, Stark's Golden Delicious and Senator are being planted by many in Baldwin growing sections. **Market, Eating. NCS.**

***Senator** (Trade-Mark) *Late Winter.* "A sight to behold—as red as blood and as thick as they can stick" is the way O. Quarnstron of Cache Co., Utah, describes Senator trees in his orchard. It is a smooth, handsome, gloriously dark blood red colored apple of medium to large size that was discovered and introduced by us about 25 years ago. It is an apple of **rare beauty and singularly fine quality** and is steadily growing in favor, both for the home and market orchard. Large, smooth, glossy cherry red, very tender, juicy, small core, rich, sub-acid. The tree is spreading in growth; should be kept lowheaded. Hardy even far North and it bears tremendous crops of marvelously beautiful apples. Succeeds everywhere. **Cooking, Eating, Cider, Drying, Market. NNCS.**
Introduced by Stark Bro's.

Gold Medal Winner at Chicago World's Fair, when Colonel Brackett, U. S. Pomologist, said—"I value it more highly than any apple here." Supt. Wright praised it as—"The Finest Apple on Exhibition."



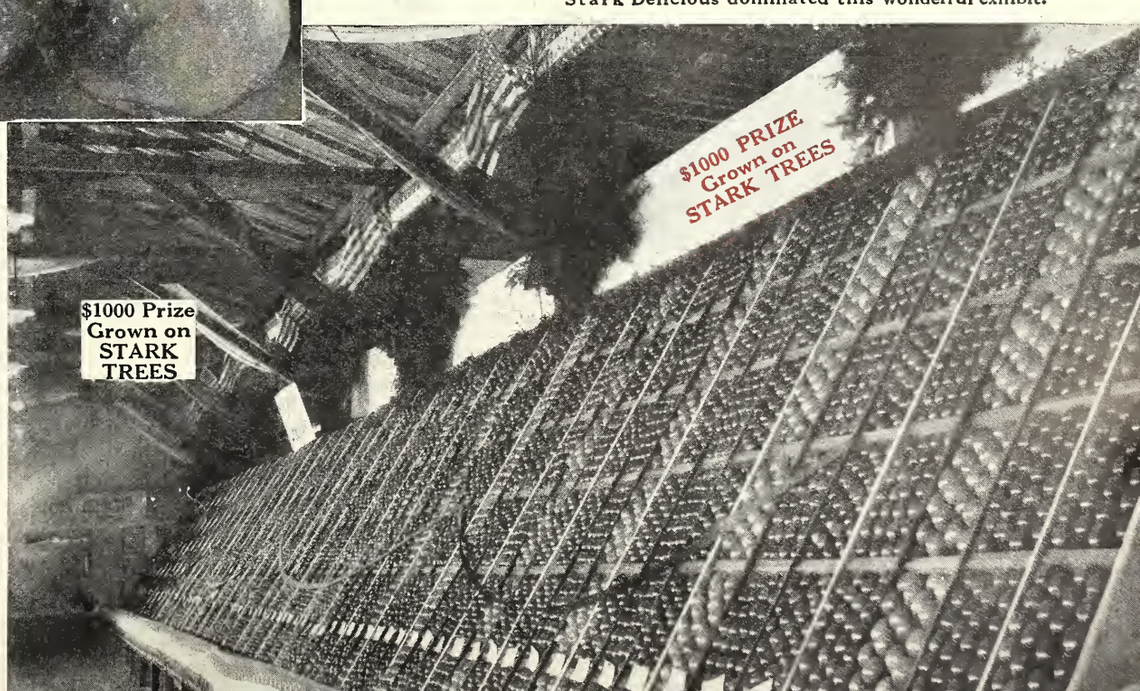
Loaded 5-year-old Rome Beauty tree in Middleton Orchard (to right). Stark Red Strains of Rome Beauty give brilliant color and adds immeasurably to the market value of this variety.

(Below) **$1,000.00 Prize Winning car-load exhibit of Stark Tree apples at National Apple Show. Grown and exhibited by M. Horan. Stark Delicious dominated this wonderful exhibit.**

Branch of Dark Red Rome Beauty (above), brilliant solid red color that adds largely to the market value and resists spray injury.

* * *

$2,037.50 from one crop of 36 Stark Delicious Trees in famous Burgess orchards (below). Stark Delicious always greatest money maker.

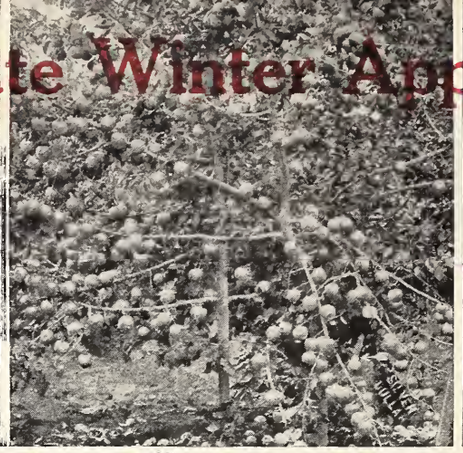


STAYMAN
WINESAP
STARK'S
GOLDEN
DELICIOUS
SENATOR
(Trade-Mark)
JENITON
(Ralls)
WINESAP
CHAMPION
(Trade-Mark)
GIANT
JENITON

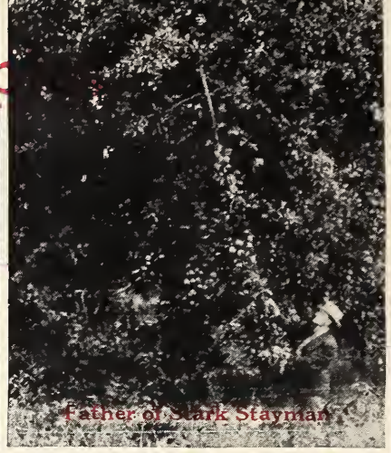
STARK DELICIOUS
PARAGON WINESAP
VAN DEMAN
($3,000.00) (Trade Mark)
QUINCE, ½ SIZE
PARADISE
WINTER
SWEET
MAMMOTH BLACK TWIG
(Stark Strain)
STARK BLACK BEN
(Trade-Mark)

Late Winter Apples

6-year-old Stayman Winesap from Stark Nurseries bearing 7 boxes apples, in famous Middleton Orchards.



Enormous Stayman Winesap on Stark trees in Blackman Orchards. Practically all Graded Fancy or No. 1. Note Silver Dollar.



Hopkins and his Famous Heavy Bearing Stayman—The "Father Tree" of our Stark Heavy Bearing Strain.

Field of 5-month-old Stark Heavy Bearing Stayman Trees. Note wonderfully vigorous growth.

G. Hopkins

**Stayman Winesap

Late Winter. The largest, handsomest, best of all the Winesaps. Our Stark Heavy Bearing Stayman trees are from Hopkins 22 Barrel tree (above). Extra large, smooth, regular, beautiful bright red, juicy, crisp, mild, delightful flavor—a general favorite and one of the best known, best liked and most sought for of all apples. Tree strong, full of vigor; hardy, young, heavy bearer, spreading. Satisfactory in every particular. Prof. Scott, U. S. Dept. and leading authorities all want Trees from a Heavy Bearing Never-Fail Tree. So does every up-to-date orchardist. That's why we searched the U. S. for the finest Stayman tree with the highest bearing record.

The great Stayman has proved and established itself as a Money Making King throughout the entire United States. Stayman Winesap, Stark Delicious, Stark's Golden Delicious, Black Ben, Stark King David, "Double Life" Grimes Golden and Jonathan are the best, most satisfactory, most profitable varieties. Stayman is a seedling of Winesap, originated by and named for Dr. Stayman of Leavenworth, Kansas, about 40 years ago. We began its propogation in 1895 upon the earnest solicitation of the Originator, who wrote us: "It is worth more than the whole known race of winter apples." It is without a shadow of doubt the most valuable of all the Winesap type of apples. **Eating, Cooking, Cider, Market. NCS.**

"Nearest approach toward the ideal all-purpose apple."—Frank Moffit, Hamilton Co., Ind. "A grand apple."—Prof. M. B. Waite, U. S. Dept. of Agr. "With us by far most popular winter variety."—Prof. C. P. Close, Pomologist, U. S. Dept. Agr. "For quality stands next to Delicious."—John Cottle, Washington Co., Ohio. "Consider it best apple we have."—L. Fairchild, Fairfield Co., Conn. "Six-year-old trees bore a barrel each."—R. B. Almy, Newport Co., R. I.

5-year-loaded Stayman in Marylan orchard of Mr. Field, who says "Best apple in my orchard."

*Champion (*Trade-Mark.*)

Late Winter. A sure, quick, profit-earner, discovered in the early 90's and introduced by us. The apple is bright red, good quality and so firm they **ship perfectly and keep till apples come again.** Tree spreading, strong growing, bears extremely young; most satisfactory. **Eating, Cooking, Drying, Market. NCS.** **Introduced by Stark Bro's.**

*Senator (*Trade-Mark.*)

Late Winter. A delightfully flavored, juicy, brilliant, rich red, **high quality,** late keeping apple—**one of the most beautiful.** Tree spreading, bears young, regularly and produces tremendous crops and commands highest prices. A thoroughly satisfactory, all-purpose variety. **Eating, Cooking, Cider, Market. NNCS.** **Introduced by Stark Bro's.** See Northern type, page 25.

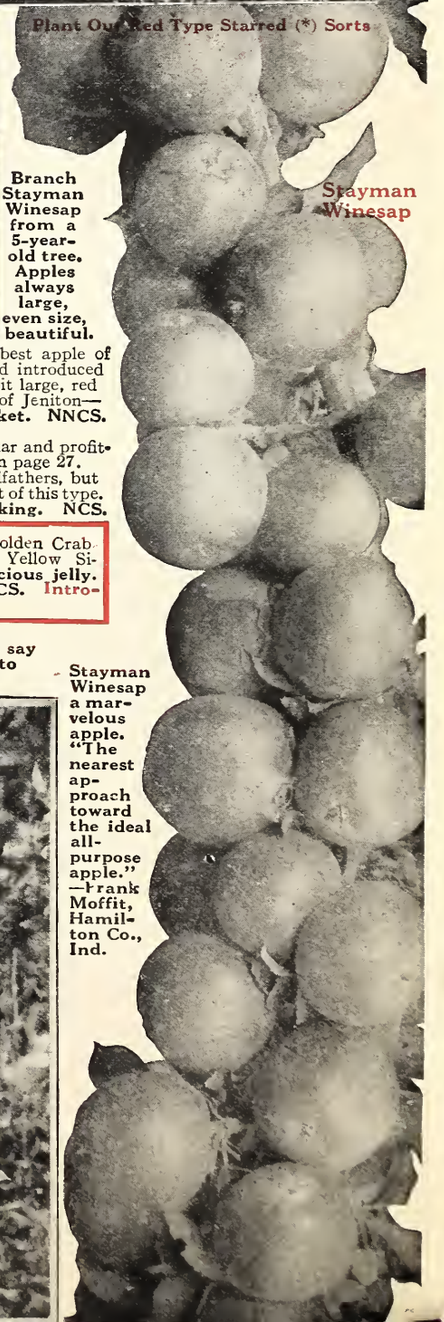
**Stark's Golden Delicious

Late Winter. The yellow apple Sensation of Two Centuries. See pages 4 to 11 for full description and great record. Also See Back Cover

Giant Jeniton Bears Tremendous Crops

Coleman's 20-acre Champion Orchard in Missouri produced $14,700.00 last year.

Plant Our Red Type Starred (*) Sorts



Branch Stayman Winesap from a 5-year-old tree. Apples always large, even size, beautiful.

Stayman Winesap

*Giant Jeniton (*Trade-Mark.*)

Winter The best apple of the Jeniton type—named and introduced by us many years ago and is justly popular. Fruit large, red striped, juicy, with the tang and **delightful flavor** of Jeniton—makes best cider. **Eating, Cooking, Cider, Market. NNCS.** **Introduced by Stark Bro's.**

*Winesap

Late Winter. A grand old apple, popular and profitable for many generations. Description page 27.

Jeniton

Late Winter. A favorite of our grandfathers, but small, not profitable. Giant Jeniton best of this type. Stayman Winesap is far better. **Eating, Cider, Cooking. NCS.**

*Stark Gold Crab

A beautiful New Golden Crab. Fruit larger than Yellow Siberian, better quality—the **perfect crab for delicious jelly.** Tree hardy as an Oak. **Cooking, Market. NNCS.** **Introduced by Stark Bro's.**

* * *

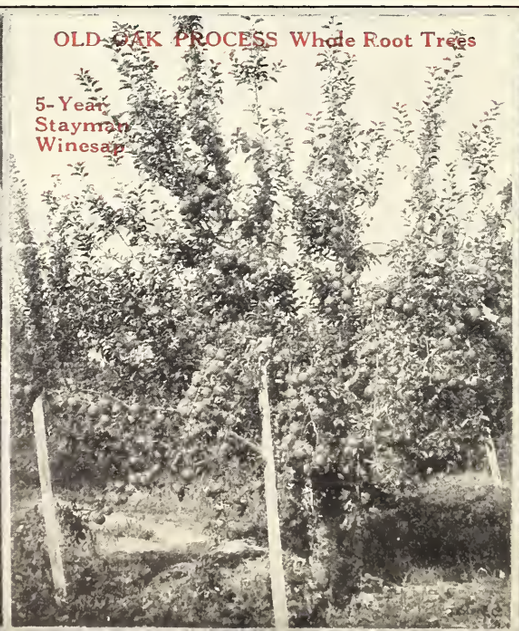
This photo of Stayman Winesap sent in by an Admiring Customer. "Thick as they can stick."

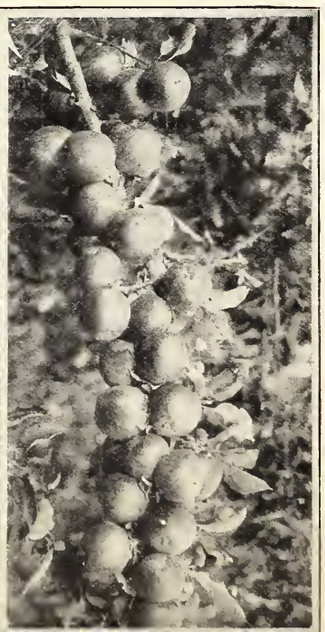
* * *

A 5-year-old Stayman Winesap tree in a Stark tree orchard. East, West, North, South, Stayman is satisfactory and profitable.

* * *

Best Indiana Orchardists say "Stayman second only to Stark Delicious."





Stayman Winesap a marvelous apple. "The nearest approach toward the ideal all-purpose apple."—Frank Moffit, Hamilton Co., Ind.

$500.00 Prize

These Black Bens attracted more attention than any other exhibit.

Paragon

True Paragon Bears Heavy Like Old Winesap

Latest Winter Keepers

Stark Delicious See pages 14 to 19. This "King of all Red Apples" keeps perfectly until late Spring and early Summer.

***Paragon Winesap** *Latest Winter.* Ours is the true big Young-Bearing Paragon. **"The Glorified Winesap"**; larger, higher color, superior to Winesap. Deep red, firm, rich, sub-acid, superb quality, long keeper, does not scald. Tree grows large, spreading, long lived, bears tremendous crops every year. **Cooking, Eating, Market. NCS.**

Paragon originated in Tenn. and has been confused with several varieties. Little Paragon, originated by the same man, but far inferior, has been grown as Paragon. Mammoth Black Twig, from Arkansas, similar, but distinct, shy and late bearer, has been considered by some identical. Our propagation is from a true bearing tree from the orchard of Frank Femmons, and is the true strain Paragon.

Black Ben

(Trade Mark)

Introduced by Stark Bro's

****Black Ben** *Latest Winter.* "The Apple for the Millions." Is making fortunes for Orchardists from the Atlantic to the Pacific. Should be a leader in every orchard. In our own future orchards **at least one-fourth will be BLACK BEN.** Will produce more bushels to the tree, hence cost less per bushel to grow than any other apple, except possibly Stark's Golden Delicious. Marvelously beautiful. Extremely large, glowing deep solid blood red (no stripes), snow white flesh. No apple will stand hard handling or long distance shipping better; keeps perfectly in cellar and storage, no scald—**a Great Money Maker.** Always commands premium prices because of its unsurpassed beauty. Tree hardier than Ben Davis or Gano, stronger, much thriftier. Bears young and resists canker, whereas Old Ben Davis cankers badly. D. E. Lewis of Kansas City, Mgr. Central States Orchard Co., with 1000 acre orchard says, "Black Ben tree by far most satisfactory of all the Ben Davis type, as it is not susceptible to canker like Ben Davis." Some sorts bear every other year, some bear a heavy, then a light crop; some are particular as to soil, but Black Ben planted in any soil makes big money year after year. **Cooking, Eating, Drying, Market. NCS. Introduced by Stark Bro's.**

Grown on an OLD OAK PROCESS Whole Root Tree

$500.00 Prize Exhibit of Stark Black Ben at National Apple Show. Selected from 160 8-year-old trees which produced 1250 bushels of extra fancy fruit. J. C. Wilson, the owner, received $1250 net for the fruit from these 2 acres. (See photo wonderful carload exhibit above.)

Loaded Black Ben tree (to left) in 120 acre orchard of George Appleby, Washington Co., Ark., that netted the owner $60,000. Black Ben always bears and pays.

6-year-old Stark Trees in the great 140 acre Black Ben orchard (to left) of S. T. Cole bearing an immense crop. Black Ben is the great barrel filler in every section in America.

STARK TREES BEAR FRUIT

12 Bushels of Marvelously colored Black Bens from a 12-year-old Stark tree in orchard (above) of Harry Carroll, Clarksville, Mo.

****Black Ben THE DOLLAR MAKER**

I. M. Macklin, Jay County, Ind., writes—"My Black Ben and Stark King David are doing fine. We had about **$1,080.00 worth of Black Bens** alone, in one crop off this **5 acre orchard.** Sold my Black Ben for from $2.00 to $3.50 more per barrel than Ben Davis."

The Barrel Filler

BLACK BEN

Judge W. S. Matthews, of Wise County, Va., writes—"My Black Ben from your Nurseries came to the front as usual. **10 Black Bens bore more than the balance of 210 trees** in my entire orchard." We receive reports regularly from all sections, and they all tell the same story—immense crops, highly colored fruit, sell readily at high prices. Black Ben never disappoints. J. S. Moore, Van Buren Co., Ia., says "Black Ben trees made wonderful record." Exp. Sta. says: "Finest orchard in the state,"

STARK TREES

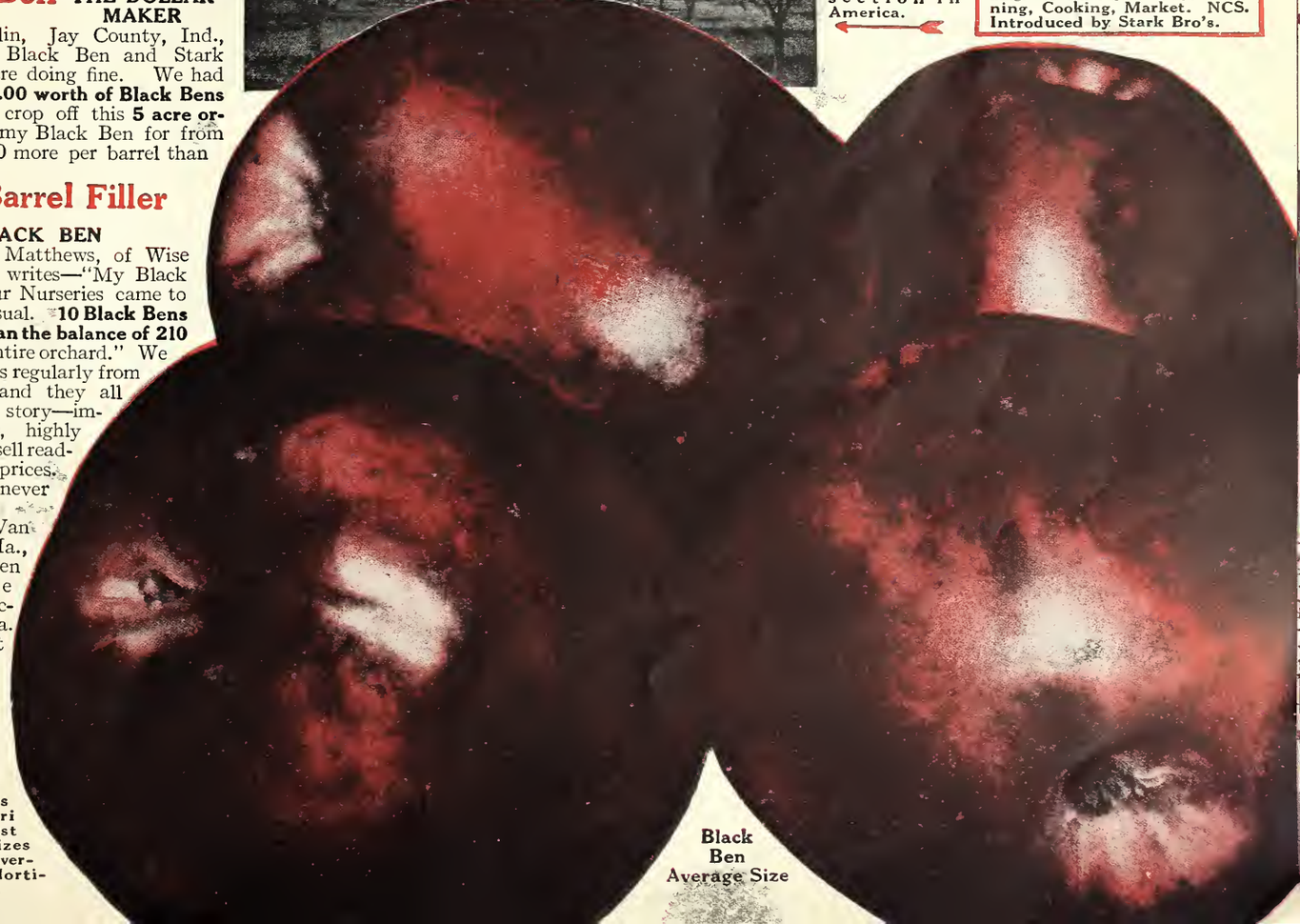
Black Bens from Missouri captured First and Second Prizes at Cornell University (N. Y.) Horticultural Show.

***Mammoth Black Twig Improved** (*Stark Strain-Gilbert Winesap.*) *Late Winter.* An improved Tennessee strain that bears younger, is much better color, and better quality than Arkansas (old M. B. Twig). Fruit large, dark red, excellent quality. Tree very large, spreading, bears moderately young and is hardy. The planting of the old "Arkansas" M. B. Twig is slowing up, as Stayman Winesap and Paragon are more profitable, and command better prices. **Eating, Cooking, Cider, Market. NCS.**

Paradise Winter Sweet *Early Winter.* A large apple, dull green with brownish red blush; juicy, very sweet, good quality. Tree vigorous, upright, productive, but slow coming into bearing. A good winter sweet apple. **Eating, Drying, Market. NCS.**

***VAN DEMAN Quince** Trade Mark **$3,000.00 Quince**

Best and largest. "The Golden Apple of the Hesperides." One of our $9,000.00 fruits purchased from Luther Burbank. Superb flavor. 2-year tree bore 11 fine quinces. Fine for baking and canning. Tree hardy, healthy. **Canning, Cooking, Market. NCS. Introduced by Stark Bro's.**



Black Ben Average Size

Stark Gold
Trade-Mark
Sold Only by Stark Bro's

Montmorency Stark
Best Red Cherry

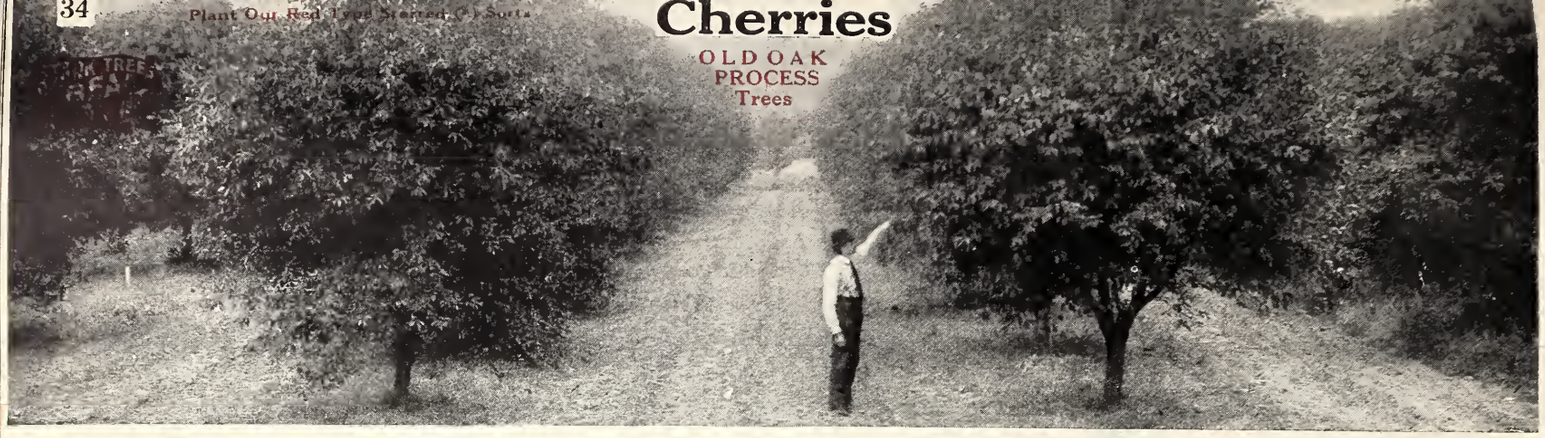
"Stark Gold hardy as English Morello —stood 22 below zero; big, unblemished, beautiful fruit; bore when 2 years old."—*R. L. Sanderson, West Austintown, Ohio.* "Stark Gold brought 50 cents a gallon; beautiful, splendid flavor. Wonderfully hardy; bears regularly—bore when 2 years old. None have diseases or insect troubles."—*E. Rahrbaugh, Clearville, Pa.* "Very hardy; bore second year. Big, Golden color, flavor fine; trees healthy."—*Vester Mathis, Karnak, Ill.*

2-Year Old
STARK GOLD
Cherry
Bearing Good Crop

COPYRIGHT 1914 BY STARK BRO'S N. & O. CO.

Cherries

OLD OAK PROCESS Trees



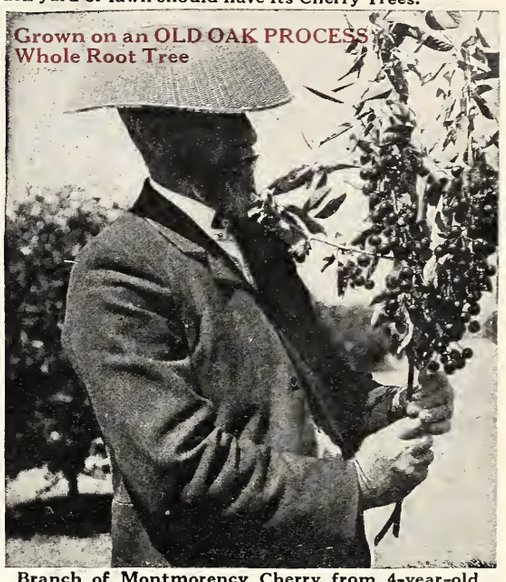
Montmorency Monarch Orchard on Stark Nursery Grounds with Berries between the Rows—Produced 2350 gallons of Cherries per acre, at 40 cents a gallon, would be $940.00 per acre for just one crop, with the added profits from the Berries between the rows. Every back yard or lawn should have its Cherry Trees. Trees above are handsome enough for any lawn.

Glorious Stark Gold (Trade Mark) CHERRIES

Owned and Sold Only by Stark Bro's

Discovered and Introduced by Us

(Trade-Mark.) At last we can offer a sweet cherry that is **really hardy.** Stark Gold Cherry came from Richardson Co., Neb., and was introduced by Stark Bro's. We quote Mr. Thomas, the originator: "Surpassed in hardiness any cherry on my place; thermometer often registers 40 degrees below zero, and average winter reaches 25 to 30 below. Stark Gold never misses a crop. Sells for 3 times the price of other cherries." (Below see Mr. Thomas, originator, and the old tree.) The fruit is of immense size, **glossy, almost transparent, pure, lustrous golden color** without a single touch of red, and the **quality is superb.** It ripens about 2 weeks later than Early Richmond, but will hold on to the tree 10 days after ripening. Cherry growers throughout the whole country are enthusiastic over this wonderful sweet cherry and we have never been able to grow enough to supply the demand. **Eating, Cooking, Canning, Market. NNCS.** Introduced by Stark Bro's.



Grown on an OLD OAK PROCESS Whole Root Tree

Branch of Montmorency Cherry from 4-year-old trees in orchard of Hon. C. B. Kountze. Bears tremendous crops of money-making fruit.

Trees Full of Great Big Glowing Golden Cherries. My Stark Gold Cherry blossomed less than fourteen months after being set out and matured five or six cherries. It has borne every year since and this is the third year.—Mrs. J. S. Brown, Connecticut.

Great Big Yellow Cherries. Our 4-year-old Stark Gold Cherry Tree is five inches in diameter and eighteen feet high. Last year it was full of great big yellow cherries, **solid meat** and splendid flavor.—Roy F. Barnes, Illinois.

Our Exclusive Contract

"In consideration of $.....said C. J. Thomas hereby agrees to furnish said Stark Bro's all buds, etc., from said Stark Gold Cherry Tree and give said Stark Bro's exclusive right and control of all buds, etc."

STARK TREES REG. U.S. PATENT OFFICE

Stark Cherry Trees are grown in the best cherry soils in America, and by the most up-to-date scientific methods. They have magnificent roots and lots of vigor.

*Montmorency Stark

Mid-Season. The best strain of Montmorency. From a select tree on our grounds which uniformly bore very large fruit—larger than any other Montmorency. Tree stronger grower than Montmorency King (*Ordinaire*). Our favorite for over 20 years. Fruit large, flesh firm, ships perfectly; tree strong grower, sure and young bearer, **largest of all the sour cherries,** very hardy; produces tremendous money making crops—succeeds throughout the U. S.

This great cherry should be grown on every farm and on every town lot, along driveways—wherever a **space 10 feet square.** Many fruit growers **plant cherry trees along the highways** of their farms, and today their old fence rows are producing enough profit to pay the taxes on the farm, and more besides. It is the perfect variety for pies, preserves, cobblers, puddings and other good "eats." The Montmorencies are the best "so-called" sour cherries—they are not really sour, for Montmorency when fully ripe is **sweet and luscious, the favorite of the children.** Three-fourths of all cherries should be of this type. They are the most perfect in tree, resist disease, less affected by wet weather, are most productive and bear best fruit of all the sours. No matter how unfavorable the season, the Montmorencies can be depended upon. They are hardy, bloom late, **sure bearers.** On account of **young bearing** (often fruit at 2 years old), semi-dwarfish growth, they make ideal fillers for apple orchards. **Excellent shippers, always bring good prices.** In canning factories and preserving works they are preferred and are wanted by the hundreds of tons. Succeed throughout the U. S. We grow five strains of the Montmorencies which are kept absolutely pure. **Eating, Cooking, Canning, Market. NNCS.** Introduced by Stark Bro's.

Plant Our Red Type Starred (*) Sorts

Old Stark Gold Tree—Stood 40° below zero in Nebraska. Never fails to bear. Cherries are of immense size, wonderful beauty, delicious quality. Succeed everywhere.

OLD OAK PROCESS Whole Root Trees

Stark Bro's Splendid Top Size Cherry Trees

STARK TREES REG. U.S. PATENT OFFICE

Introduced by Stark Bro's

This Branch of Stark Gold Cherries from 2-Year Trees

1-Year-Old Stark Gold Trees

STARK TREES REG. U.S. PATENT OFFICE

30,000 Stark Gold Trees in Nursery Row. They grow fast, bear young—and they pay

Dyehouse Always Loaded

Ripe with Strawberries. Earlier, larger, firmer, better quality, smaller seed than Early Richmond. Dyehouse, Montmorency Stark and Suda Hardy are 3 best everywhere. Ripen about 2 weeks apart, give finest cherries throughout season. Stark Gold and Black Tartarian Improved are best Sweets. Dyehouse is fast taking the place of Early Richmond in all sections.

Dyehouse Cherries

A Row of 12-Yr. Stark MONT. Cherries in Full Bloom

Trees planted spring 1885, bore in 1887, and have given eleven successive crops WITHOUT A FAILURE. So far, the BEST CANNER, best ALL-PURPOSE CHERRY. Cannot be too highly recommended for its NEVER-FAILING HEAVY CROPS of fine fruit, beauty and hardiness of tree.

PHOTO COPYRIGHT, BY STARK BRO'S

Plant Cherry Trees Along Your Drives

STARK TREES
REG. U. S. PATENT OFFICE

Rich Juicy Cherries

"The man who doesn't grow cherry trees doesn't deserve a cherry pie."
—Mrs. H. W. Jenkins, before Missouri Horticultural Society.

Shady Cherry Trees ornament any lawn or driveway. Beautiful with the exquisite veil of white blossoms in April—glowing with crimson juicy fruit in June; for eating, cooking, canning, pies and preserves. Every home and farm should have its Cherries. Easy to grow, need little space, bear young. After 100 years testing sorts herein proved best. **Those starred thus (*) are very superior.**

***Dyehouse** *Earliest of All.* A better cherry than Early Richmond, a week earlier, larger, smaller seed—best very early variety. Grown largely all over the United States. Tree thrifty, unusually strong grower, good bearer and in every way satisfactory. Dyehouse, Montmorency Stark and Suda Hardy, is a combination that gives fruit during the entire cherry season and is recommended for general planting all over the U. S. **Eating, Canning, Cooking, Market. NNCS.**

***Black Tartarian Improved** (*Deacon*) *Early.* A select and greatly improved seedling of old Black Tartarian; a large black, heart-shaped, juicy sweet cherry; widely known and extensively planted. Tree upright, dense grower, vigorous, regular bearer. Wherever a black sweet cherry is wanted plant Black Tartarian Improved. The best, earliest, hardiest and most profitable black sweet sort. Photo bottom page. **Cooking, Canning, Eating, Market. NCS.** Introduced by Stark Bro's.

Early Richmond *Early.* An old standard sort. Ripens few days after Dyehouse—not so good. Profitable, hardy. NNCS.

***Montmorency King** (*Ordinaire*) *Mid-Season.* Cannot be too highly recommended for quality and quantity of fruit, hardiness and beauty of tree, and unfailing crops. Ripens a week or 10 days after Early Richmond. The Montmorency is the most widely planted of all sour cherries, but there are not one-half enough grown to supply the demand for the fruit. The trees do not require much care, and they produce immense crops every year—no matter how unfavorable the season may be. Montmorency Stark and Montmorency King are ideal for the market orchard, the home orchard, and the small yard. Should be planted everywhere. **Eating, Canning, Cooking, Market. NNCS.** Mont. Stark and Stark Gold—See Page 34.

***Montmorency Monarch** *Mid-Season.* A splendid strain of Montmorency from the Iowa Experiment Station where it made a wonderful record. 70 Monarch trees on our grounds produced 1175 gallons of fruit after the birds and the children had feasted many times. **Cooking, Canning, Eating, Market. NNCS.** Introduced by Stark Bro's.

***Montmorency Sweet** *Mid-Season.* A true Montmorency, but sweeter than any other strain. Originated on our grounds where we watched it for many years before introducing. **Cooking, Canning, Eating, Market. NNCS.** Introduced by Stark Bro's.

***Suda Hardy** *Late.* Wherever a late cherry is wanted, Suda Hardy should always be planted. The tree is perfectly hardy and the fruit is produced in immense quantities. Of the English Morello type, but larger, not quite so acid, better quality and the tree produces larger crops. Ripens and comes on the market 10 days after the Montmorencies are gone and always sells readily at premium prices. Dyehouse, Montmorency Stark and Suda Hardy give a long season of luscious money-making fruit and are the three best varieties. **Eating, Cooking, Market. NNCS.** Introduced by Stark Bro's.

Napoleon (*Royal Ann*) *Late.* A large yellow, pink blushed, sweet cherry, largely grown in all sweet cherry sections. Tree hardy. **Eating, Canning, Cooking, Market. NCS.**

Royal Duke *Early.* Large, light red, rich, juicy, semi-sweet—the best of all the Dukes. This strain is from a Colorado orchard noted for its wonderful cherries. **Cooking, Eating, Market. NCS.**

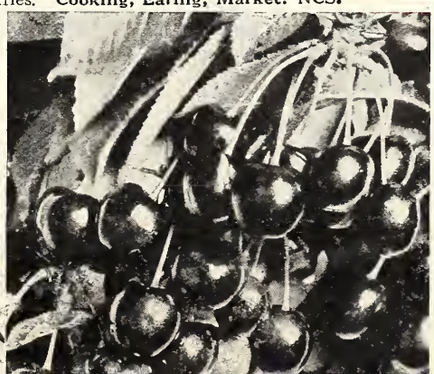
A Branch of Montmorency King

Stark Montmorency Orchard (*photo below*) Considered Best Orchard in N. Colo.—W. F. McQuade, Owner.

SUDA HARDY

A Branch of Suda Hardy

Black Tartarian Improved (at right) from a Mo. Orchard.



"Finest in the State"—Old Oak Process Whole Root Trees

RIGHT 1914 BY STARK BRO'S N. & O. CO.

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Pears

See Pear Pictures on Page 36

STARK TREES

Famous Anjou and Bartlett orchard of Capt. J. H. Shawhan, who says: "Anjou commands high prices; less liable to blight than any other; 1¾ acres netted me $1400.00." A well-cared for Pear Orchard Pays Big Profits. Lincoln is an Ideal Variety to Plant with Anjou.

Stark Seckel

A branch of the sweetest and best little pears grown—Stark Seckel. Meets every requirement for the home orchard.

STARK TREES BEAR FRUIT

***Lincoln** *Late Summer.* Best all-round Pear tested in our over 100 years of fruit growing. The pear we find worthy of our highest commendation, is the **genuine true** Lincoln—of Illinois. Fruit large, clear, beautiful yellow, sometimes blushed—**marvelously beautiful**—ideal shipper; **quality superb**—even better than Bartlett, the leader for many generations. Tree remarkably **blight resistant,** heavy cropper, long lived—original **tree now over 80 years old** and still bearing. Should be in every orchard. **Eating, Cooking, Market. NNCS.**

***Fame** *Late Summer.* There is no more **delicious pear** than this; juicy, **melting, sweet** and rich. Seeds few, **almost no core;** large, blushed yellow. Hardy, strong, long-lived orchard tree; a young bearer, does exceedingly well as a dwarf. **Blight resistant.** A hardy Native American Pear. Originated in Northern Arkansas. **Eating, Cooking, Market. NCS. Introduced by Stark Bro's.**

I am greatly pleased with the quality of Fame; flesh very fine grained, buttery, and **of highest excellence**—seed few, almost no core. I congratulate you on adding so good a pear to our list.—E. H. Riehl, Illinois Experiment Station.

Dwarf Triumph and Boy, both 3 years old; one of youngest, heaviest bearers.

Lincoln Is Blight Resistant—"Lincoln more blight resistant than any other; **equals Bartlett in flavor** and texture. Good keeper, rarely core-rots; have never discovered a winter-killed tree."—J. W. Jones, Emmet Co., Idaho.

***Anjou** *Late Fall.* Large handsome yellow pear blushed dull red and of richest flavor. Tree upright, good bearer, strong grower, hardy, **bears young,** blooms late, remarkably free from blight. Markets always ready for them at premium prices. **Succeeds everywhere** and is a great favorite for both home and market orchard **Eating, Cooking, Market. NCS.**

***Stark Seckel** (*Sugar Pear.*) *Late Summer.* A select strain of this wonderful pear that we have grown for years. Medium size, beautiful yellow; **spicy, honeyed flavor**—the acme of **pear perfection.** Tree hardy, thrifty, blights little. Succeeds in all pear sections. Should be grown in every home orchard; not one-tenth enough have ever been grown to supply the demand. **Eating, Cooking, Dessert. NCS.** Introduced by Stark Bro's.

***Duchess** (*Angouleme.*) *Fall.* Extremely large, often weighs over a pound; dull yellow, excellent quality—the housewife's favorite. Tree long lived, healthy, hardy, bears extremely young and produces a crop every year. Has been a favorite for generations and is still one of the best. Should be planted in home orchards and for market. **Eating, Cooking, Market. NCS.**

***Stark Tyson** (*Very Early Summer.*) Looks just like a Seckel, but ripens **extremely early;** medium size, yellow, shaded russet; **sweet, juicy,** perfumed, excellent. Tree hardy, long lived, very free from blight. We propagate from a select strain from Henry Wallis, St. Louis Co., Mo. **Eating, Cooking, Market. NCS.**

***Honey Dew** *Early Fall.* A wonderful new pear from the grounds of Mr. Raabe, well-known Ill. orchardist. The fruit is large, almost round—like a big apple; golden yellow, almost covered with rich russet. Flesh tender, crisp, literally overflowing with juice. **"Sweet as honey-dew"** (hence its name). As firm as Kieffer, for shipping, but far superior for eating and canning Tree fast grower, hardy Oriental type, **enormously productive,** has never blighted. **Eating, Cooking, Market. NCS.** Introduced by Stark Bro's.

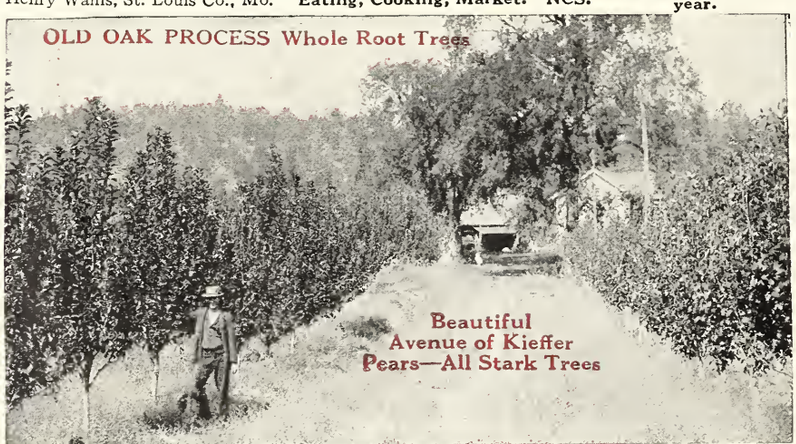
***Kieffer** *Winter.* The most widely planted pear, because it **bears** and pays. Large, rich, golden yellow, sometimes tinted red. **Fine for canning and baking,** but only fair quality for eating fresh. To properly ripen **for eating,** pick when reach full size, but before they color; store in dark, dry room. Tree vigorous, **young, regular and heavy bearer;** outbears everything in our orchards except Honey Dew, which seems to have all Kieffer's good points, and in addition, far better quality. **Eating, Cooking, Market. NCS.**

***Bartlett** *Summer.* The great favorite in all orchards and on all markets because of **delicious quality.** Large, rich, golden yellow with soft blush; juicy, melting, with a rich, indescribable flavor that has made it the best known and most popular pear. One of the best for canning and shipping. Tree a strong grower, sometimes blights, bears young, large crops and regularly. Bartlett and Lincoln are our choice for high quality. We advise planting Lincoln in sections where pears blight. **Eating, Cooking, Market. NCS.**

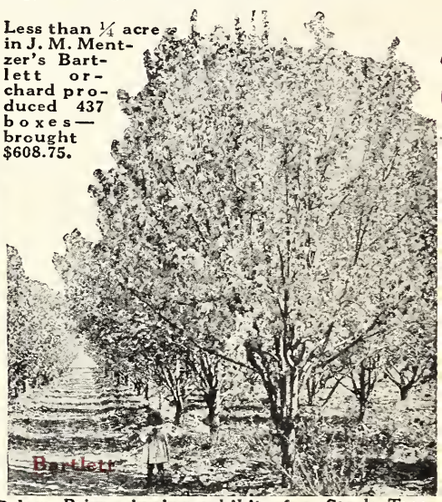
70 bearing Stark Bartlett netted H. C. Day $700 last year.

Less than ¼ acre in J. M. Mentzer's Bartlett orchard produced 437 boxes—brought $608.75.

Mr. Hemo's 1-yr.-old King Karl 30 inches high, bore 3 giant pears, wt. 2½ lbs.



Driveway bordered with 3-year-old Stark Kieffer pears. Fruit trees along roadways add beauty to the farm and are a yearly source of profit.



Below, Prize winning exhibit of a Stark Tree planter. Winner of 9 ribbons.—"Stark Trees Bear Fruit."

***Triumph** *Winter.* Fruit resembles Duchess, but is finer grained, better quality and will keep until January—A good winter pear. Tree extremely young bearer, vigorous, prolific. **Eating, Cooking, Market. NCS.** Introduced by us.

***King Karl** *Late Fall.* A giant among pears; resembles Clairgeau, of which it is a seedling. Firm, juicy and melting. Hangs well and keeps well. Tree an extremely young, heavy bearer—almost free from blight. An excellent pear for home or commercial orchards. **Eating, Cooking, Market. NCS.** Introduced by us.

SEE BERRY PICTURES, PAGE 37

Flaming Giant
2-3 Life Size

7. Flaming Giant

WORLD'S RECORD RED RASPBERRY

Offered by Stark Bro's After Years Severe Tests!

It was from Prof. N. E. Hansen, M. S., Vice-Director Horticulture and Forestry, So. Dak. Agri. Exper. Sta., Brookings, So. Dak., that the first Flaming Giant (*Ohta*) Red Raspberry came to us. Now, after years of most severe tests, we must admit it to be the greatest red raspberry, in plant and fruit, that we have ever seen in over 100 years fruit growing.

Perfect After 15 Degrees Below Zero—Cuthbert Killed

Here is *the* red raspberry to plant everywhere, especially in sections where there is trouble with frost or freezes.

We wrote Prof. Hansen: "You are to be congratulated on giving the world this raspberry. Consider it the greatest red raspberry we have ever grown." We found that this giant red raspberry

Yields Twice as Large Crops as Other Red Raspberries

Think of a red raspberry able to pass successfully through such tests as these:

In the terrible winter of three years ago, it was PERFECT AFTER 15 DEGREES BELOW ZERO—CUTHBERT AND SUNBEAM KILLED in our test grounds. At the same time and place, Empire was killed "dead as a door nail."

But—*not even a cane of FLAMING GIANT was injured!*—and the berries *are nearly twice as large as other red raspberries!* (See photos to left.)

Bears twice as much as Cuthbert or Sunbeam.

Extremely large (sure to bring record prices on every market)—possessing a rich, alluring red color, with firm flesh that guarantees fine shipping qualities. Big, ruby-like lumps of lusciousness! Just imagine having such wonderful raspberries to serve at your home from your own garden! Think of the big prices they will bring.

Immense Sized Berries—Often ¾ Inch Across—50% Larger

than the red raspberries you think are best. VERY LIMITED STOCK ON HAND. First year—very late—we offered a few thousand of these berry plants. *They were sold within a week!* We were compelled to reluctantly tell hundreds of our eager customers—"All sold out."

If you act quick—ORDER NOW—you are surer of getting your FLAMING GIANT plants.

STARK TREES

STARK TREES BEAR FRUIT

Flaming Giant — Plant Our Red Type Starred (*) Sorts — Red Raspberry

Raspberries

***3. Cumberland** *Early Black.* This splendid black cap raspberry is by far the most widely planted, **most successful and most profitable** variety. It is extremely hardy, upright, vigorous grower, extraordinarily productive, disease resistant. Fruit very **large,** firm, **excellent quality,** ships well. The standard black raspberry. **Eating, Cooking, Canning, Market. NNCS.**

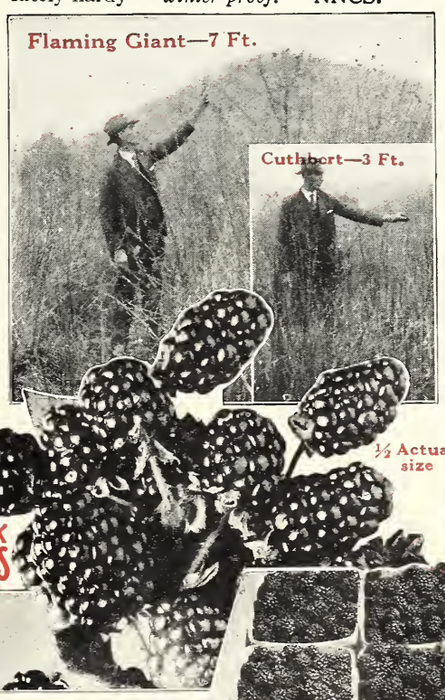
***2. Columbian** *Mid-Season Purple.* Best of purple raspberries, fruit **large, reddish purple,** firm, good quality. Plant hardy, unrivaled for productiveness. **Eating, Cooking, Canning, Market. NCS.**

***1. Black Pearl** *Early Black.* A black cap that has come to the front during the past few years and is being planted extensively. Berry **large, good quality,** firm; plant hardy, good cropper, becoming popular everywhere. We prefer Cumberland—and recommend it as the most satisfactory all-purpose black raspberry. **Eating, Cooking, Canning, Market. NCS.**

6. Cuthbert *Mid-Season. Red.* Well known, widely planted, popular. Large, firm, juicy, sprightly, good quality, ships well. Plant vigorous, upright, hardy, bears tremendous crops. For market and home use. Not comparable in fruiting, vigor or hardiness to the great Flaming Giant, the best red raspberry. **Eating, Cooking, Canning, Market. NCS.**

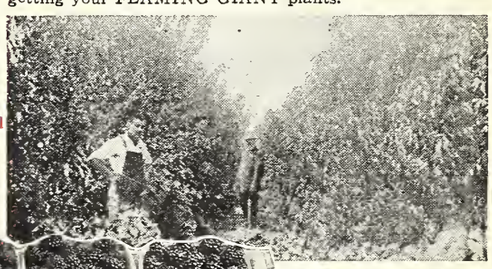
***4. St. Regis Everbearing** *Early Red.* A real everbearing raspberry that produces big luscious fruit during the entire season—often extending over a period of three or four months. Should be grown for home use in every garden in the land. Berries **bright crimson, rich, delicious,** firm for shipping; plant strong grower; upright, vigorous, hardy. This ever bearing raspberry insures luscious berries for the table all summer, and marks a new era in berry growing. It has come to stay. **Eating, Cooking, Canning, Market. NCS.**

***7. Flaming Giant** (*Ohta*)—*7 feet high, Cuthbert 3 ft.* Photos below show Homer Reed (6 ft. 2 in) in his patches of Flaming Giant and Cuthbert growing in same patch alongside each other. Flaming Giant strongest of all and absolutely hardy—"*winter proof.*" **NNCS.**



½ Actual size

Big, handsome, juicy Mersereau Blackberry. Best and most widely planted.



These Stark Trees and Berries in the back yard orchard of Kirby S. Bennett of Kansas last year furnished fruit for the family—all they could use—and NETTED THE OWNER $92.70 BESIDES. Every back yard in the country should be utilized.

Blackberries

11. Early King *Early.* A good early blackberry. a long time favorite of fair size; juicy, mild, pleasant; plant upright, hardy, bears well and ripens between Early Harvest and Snyder. We prefer the old reliable Early Harvest. **Eating, Cooking, Canning, Market. NCS.**

***10. Mersereau** *Mid-Season. Beautiful, glossy black.* Resembles Snyder, but larger, better quality, and less likely to turn red after picked. Canes rather spreading first season, becoming upright following year. Fruit **large,** rather round, good quality and holds up well. Everything considered, we believe Mersereau **the best blackberry** for general planting. Our best seller. **Eating, Cooking, Canning, Market. NCS.**

***13. Early Harvest** *Very Early.* Valuable for home garden and market, because of early ripening, excellent flavor, good shipping qualities. Fruit medium size, glossy black, **firmer than any other.** The old stand-by. Our best seller except Mersereau. **Eating, Cooking, Canning, Market. NCS.**

***12. Eldorado** *Mid-Season.* Berries of **enormous size** and jet black in color. Plants strong growing, hardy, and rarely fail to bear big crops. **Keep well** after picking, ship well, sell well, profitable. **Eating, Cooking, Canning, Market. NCS.**

* * *

Miles and miles of berry plants in one of our 8 big nurseries.

8. Lucretia Dewberry *Early Black.* Best, most dependable, dewberry. Fruit jet black, extremely large, best quality. Plant strong grower, **enormously productive.** The **favorite** of all planters for markets. **Eating, Cooking, Canning, Market. NCS.**

Always Bring Big Prices

Plant Our *Star Sorts

Early Harvest Blackberries ship well and hold up well in the crate, thereby insuring top prices.

Mulberries

***5. Gorgeous** (*Trade-Mark.*) A luscious **jet black** mulberry; almost double the size of most sorts. Originated by E. H. Riehl, Ill. Exp. Station. Sold only by us. Fruit large, jet black, superior quality. We unhesitatingly recommend it. **NCS.**
Introduced by Stark Bro's.

***9. Monarch White** *A beautiful glistening Snow-White Mulberry. Sold only by us.* Sweet, rich, excellent. Tree attains enormous size—the original tree is "big as an oak." This is another variety from the grounds of Mr. Riehl.
Introduced by Stark Bro's.

Berries and Montmorency Cherries

Profit-Producing crops between the rows make the orchard pay from the start.

Grow an Orchard FREE—Berries Between Trees Will Often Pay For It

STARK EARLY ELBERTA
THE WORLD'S BEST PEACH

"Only God Can Make a Tree"

I think that I shall never see
A poem lovely as a tree.
A tree whose hungry mouth is prest
Against the earth's sweet flowing breast;

A tree that looks at God all day,
And lifts her leafy arms to pray;
A tree that may in Summer wear
A nest of robins in her hair,

Upon whose bosom snow has lain;
Who intimately lives with rain.
Poems are made by fools like me,
But only God can make a tree

—Joyce Kilmer.

Number of Trees to Plant to An Acre

Planting Distances

Apple—24 to 33 ft. apart. We advise 30 feet as most satisfactory.
Apricot—16 to 20 ft. apart.
Cherry—(sour sorts), 16 to 20 ft.; (sweet sorts), 20 to 27 ft.
Grape—8 ft. apart in rows 10 ft. apart.
Peach—16 to 20 ft. (commercial peach growers all over the country consider 20 ft. apart the correct distance).
Pear—Standard, 20 to 27 ft.; (Dwarf) 10 to 16 ft.
Plum—15 to 20 ft. (in rich soil, Japanese plum should be planted at least 20 ft. apart).
Quince—10 to 16 ft. apart.
Black Raspberries and Blackberries—3 ft. between plants, in rows 6 to 8 ft. apart.
Red Raspberries—3 ft. apart in rows 5 to 6 ft. apart.
Asparagus—1 to 2 ft. apart in rows 3 to 3½ ft. apart.
Mulberries—22 to 28 ft. **Pecans**—35 to 40 ft.

Number of Trees to An Acre

	Square Plan	Triangular Plan		Square Plan	Triangular Plan
40 ft. apart	27	31	18 ft. apart	135	155
35 ft. apart	35	40	15 ft. apart	194	223
33 ft. apart	40	46	12 ft. apart	303	349
30 ft. apart	49	56	10 ft. apart	436	502
27 ft. apart	60	69	8 ft. apart	681	783
24 ft. apart	76	88	6 ft. apart	1,210	1,392
22 ft. apart	90	104	5 ft. apart	1,743	2,005
20 ft. apart	109	125	4 ft. apart	2,725	3,134

How to Properly Plant Trees

What to Plant

The planting information given in our literature is not guesswork or hearsay. Our advice is based on **over 100 years of Stark experience,** and the accumulated knowledge of private and State Experiment Stations, with which we are in constant touch. We have done your testing for you. Plant our "Star" (*) varieties—they have been proven worthy; you take no chances.

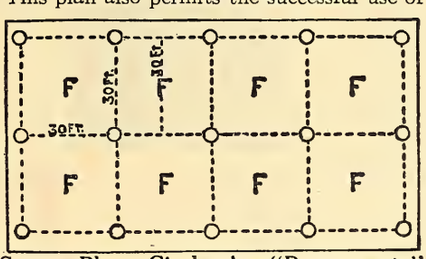
When to Plant

Planting season is not regulated by date or by planters' location, but by condition of stock to be planted. Trees can be successfully transplanted as long as they are dormant. The Stark method of packing and shipping assures arrival in proper planting condition. We ship successfully to the south long after their spring has opened, and their trees in full leaf.

Planting Plans

The method of planting must be determined by the grower. We show sketches of the two main plans. The square plan is largely used, it is easy to lay out and is well adapted to the use of fillers. The triangular plan allows more trees to the acre and is explained by the diagram. In the middle row, the trees are opposite the spaces of the adjacent rows—no unused space as there is in the square plan. This plan also permits the successful use of fillers. **"Fillers"** are temporary trees, planted half way between the **permanent** trees and cut out at about 15 years of age—when the permanent trees need the room.

To find the number of trees required to an acre (square plan), multiply the sides of the square or rectangle together and divide the product into 43,560 (the number of square feet in an acre). To find the number of trees when planted by triangular plan, add 15% to the number required by the square plan.



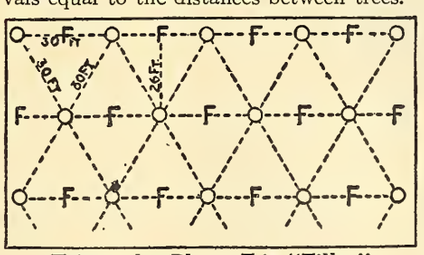
Square Plan—Circles Are "Permanents"

Laying Out the Orchard

Rows should be straight and correctly spaced, not only on account of the appearance, but to make the orchard operations easier.

In planting by the **square plan,** the ends and sides of the field are staked off at intervals equal to distance between trees. Then, deep furrows should be plowed from stakes on one end to corresponding stakes on the other end. Then, plow furrows across the field between corresponding stakes on the sides. Wherever the furrows intersect is the position for a tree. To assist the man with the plow, stakes should be set in line between the end stakes. By sighting along these stakes the line can be kept fairly straight.

Another method is the wire method. Stakes are set on opposite ends of the field at intervals equal to distance between rows. Then, a wire is stretched across the field—marked by paint or by pieces of small wire wrapped and soldered to prevent slipping—these markers to be at intervals equal to the distances between trees. Set stakes at point indicated by the markers on wire.



Triangular Plan—F is "Filler"

Preparing Land

Best preparation is to plow under manure before planting Plow deeply, then at planting time, a good thorough discing will probably be sufficient. Prepare just as well as for a farm crop. Some only plow strips 5 or 6 ft. wide, planting trees in strip.

Planting Details

Handling Trees on Arrival

Just as soon as the trees arrive unpack, shake out all packing material, plant at once if possible. If received during frosty weather, place them unpacked in a cool, dry cellar free from frost until weather moderates. Don't expose roots to sun, air, wind or frost.

Heeling in Trees

If ground not ready when trees arrive unpack and heel in. Select a well drained location, preferably on a ridge. Dig a trench 2 feet deep, throwing dirt forward to make a sloping bank, on which the trees are laid, cut open all bundles, shake out packing material, throw a layer of dirt on roots and whole length of tree, working soil in around roots. The removal of this soil forms another parallel trench in which second layer of trees may be placed. Smooth sides and dig trenches to carry off water.

Digging Tree Holes

Dig holes large enough to receive the roots easily without crowding or bending. Put the rich top soil on the roots first. Trim off broken and bruised ends of roots, cutting back long slender roots. Make cuts from under side so the cut surface will rest against the soil.

Planting

One man should hold tree in position, firming the dirt while the other man throws the dirt into the hole. Plant tree an inch or two deeper than in the nursery row. **Firming the dirt around the roots is important.** After the roots are well covered, tramp and pound the soil in hard until the hole is three-fourths full, then, if dry, pour in several gallons of water. As soon as it soaks in, fill up the hole with loose dirt, but do not tramp after watering. Some growers place well-rotted manure around the base of the tree after planting. This acts as a mulch and also furnishes plant food for the tree. Do not place manure in direct contact with the trunk and never put it in the hole, because it will make air pockets and cause the roots to dry out.

Pruning Young Trees

Pruning After Planting

If planted in Fall, do not prune until Spring just before growth starts. The one-year apple should be headed back to a height of 18 to 30 inches. In pruning the two-year apple, select 4 to 6 branches and remove all others. Cut branches back from 6 to 12 inches. Pear should be pruned when planted about like apple. Peach trees when planted should be cut back to 18 to 24 inches high, and limbs cut back to stubs with one or two strong buds. The method of pruning Apricot and Plum is essentially the same as the Peach, but should not be so severe. Cherry requires moderate pruning. Keep dead wood cut out. After the first year, prune only moderately. Authorities agree that many orchardists have pruned young apple trees too much in the past. See Stark Orchard and Spray book for complete pruning instructions. Sent free to Stark customers.

B

OLD OAK PROCESS

Failures

Grown ONLY BY STARK BRO'S

Whole Root Trees

Trade-Mark Registered U. S. PATENT OFFICE

"OLD OAK PROCESS Whole Root Trees" is a Trade-Mark, registered in the U. S. PATENT OFFICE and owned by Stark Bro's. It denotes the Superior Whole Root Trees produced by our Over-a-100-Year-Old Nurseries. Stark Bro's is the only nursery in the world that can supply genuine Old Oak Process Whole Root Trees—Why? Read the following excerpts:

A Horse With a Broken Leg

A House With Only Half a Foundation

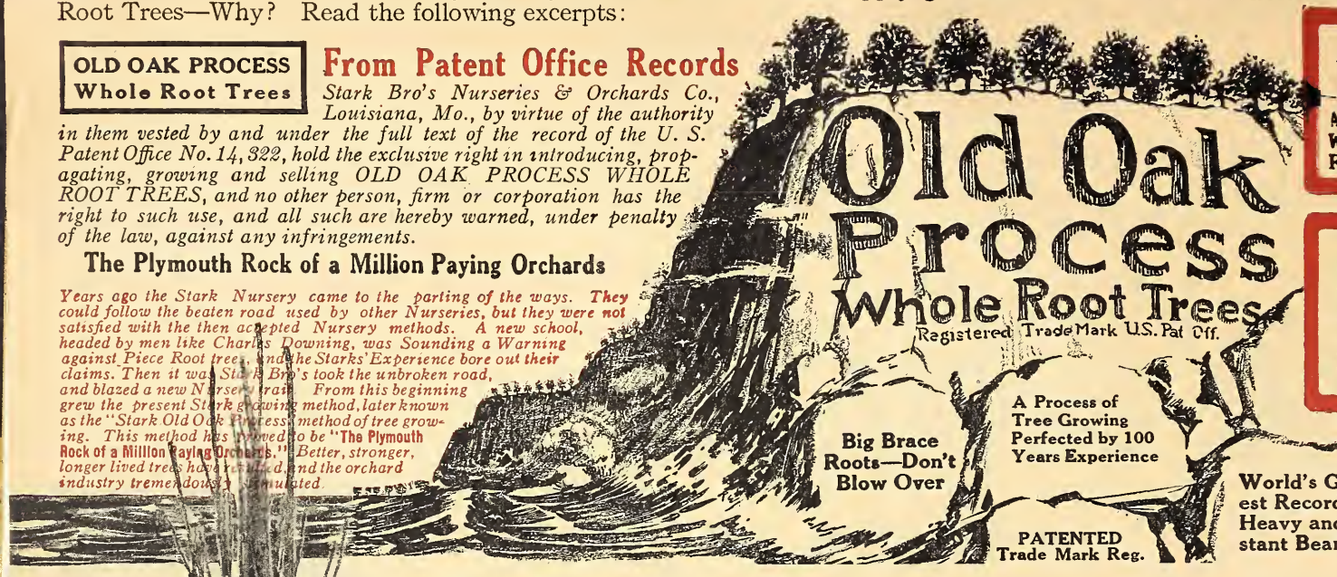
OLD OAK PROCESS Whole Root Trees

From Patent Office Records

Stark Bro's Nurseries & Orchards Co., Louisiana, Mo., by virtue of the authority in them vested by and under the full text of the record of the U. S. Patent Office No. 14,322, hold the exclusive right in introducing, propagating, growing and selling OLD OAK PROCESS WHOLE ROOT TREES, and no other person, firm or corporation has the right to such use, and all such are hereby warned, under penalty of the law, against any infringements.

The Plymouth Rock of a Million Paying Orchards

Years ago the Stark Nursery came to the parting of the ways. They could follow the beaten road used by other Nurseries, but they were not satisfied with the then accepted Nursery methods. A new school, headed by men like Charles Downing, was Sounding a Warning against Piece Root trees, and the Starks' Experience bore out their claims. Then it was Stark Bro's took the unbroken road, and blazed a new Nursery trail. From this beginning grew the present Stark growing method, later known as the "Stark Old Oak Process" method of tree growing. This method has proved to be "The Plymouth Rock of a Million Paying Orchards." Better, stronger, longer lived trees have resulted, and the orchard industry tremendously stimulated.



A Tree With only a Piece of a Root.

Piece Root Grafts vs. Stark OLD OAK PROCESS Whole Roots

Which Kind Do YOU Want? See Photo Below.

THE tree of nature is made up of wood cells and root cells, varying both in makeup and functions. At one place in the tree the wood cells blend into root cells; at this place nature makes a perfect union between the scion wood and hardy seedling root This is one of the greatest basic secrets of the Old Oak Process Whole Root Method.

Note carefully the **Crown** illustrated in the **Circle below** —and Plant Stark Trees.

The roots are the feeders of a tree. If they are strong and vigorous (like the BIG roots on the right, in photo below) they will reach out vigorously and feed hungrily on the soil's fertility—and produce a big, husky, fast-growing, young-bearing fruit tree. You cannot afford to plant any other than OLD OAK PROCESS Whole-Root Trees. Now—look at the bundle of Piece Root Grafts on the left, in photo below. Trees grown from Pieces of Roots like these are Seriously Handicapped **right at the start. They are like Runt Pigs**— *Nothing to Grow On— No Vigor— No Foundation.*

THE GREAT DOWNING (photo below), than whom no higher authority has ever lived, in the most famous work of his life, "Fruits and Fruit Trees of America," says: "Large quantities of trees are propagated by using pieces of roots. This practice is by prominent horticulturists considered as tending to debilitate and reduce vitality—the seat of vital life in fact resting in the Natural Crown (the point where wood cells blend into root cells) and that once destroyed cannot be renewed. But one healthy, permanent tree can ever be grown from a single seedling stock."

The Vital Part of a Tree is not the top. You can grow a new top, but you cannot change the roots. The Original Root System Remains—and it will always affect the tree. Piece-Root Trees are slow-growing—are easy prey to insects and diseases—and are easily blown over because they have no big brace roots and are only a short distance in the ground.

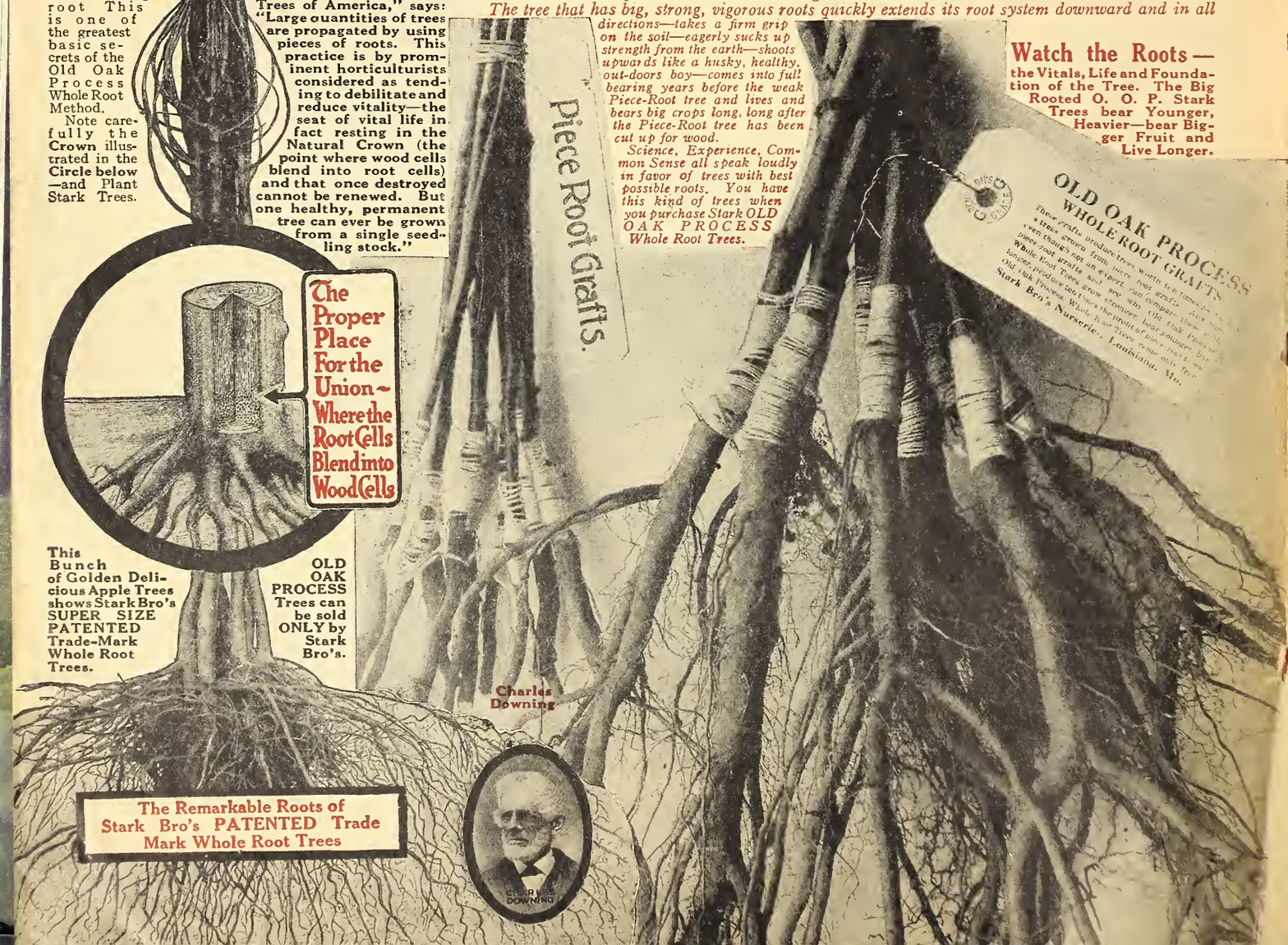
The tree that has big, strong, vigorous roots quickly extends its root system downward and in all directions—takes a firm grip on the soil—eagerly sucks up strength from the earth—shoots upwards like a husky, healthy, out-doors boy—comes into full bearing years before the weak Piece-Root tree and lives and bears big crops long, long after the Piece-Root tree has been cut up for wood.

Science, Experience, Common Sense all speak loudly in favor of trees with best possible roots. You have this kind of trees when you purchase Stark OLD OAK PROCESS Whole Root Trees.

Watch the Roots— the Vitals, Life and Foundation of the Tree. The Big Rooted O. O. P. Stark Trees bear Younger, Heavier—bear Bigger Fruit and Live Longer.

This Bunch of Golden Delicious Apple Trees shows Stark Bro's SUPER SIZE PATENTED Trade-Mark Whole Root Trees.

OLD OAK PROCESS Trees can be sold ONLY by Stark Bro's.



The Remarkable Roots of Stark Bro's PATENTED Trade Mark Whole Root Trees

OLD OAK PROCESS

Insures Younger, Heavier Bearing—Long Life

A weak, slow growing tree can never make an early bearing tree. Nature has decreed that a tree do so much growing before it begins putting out fruit buds, before it begins to bear. The tree that is full of life and growing vigor begins bearing early, produces an abundance of bearing wood and wood capacity to produce and hold big crops. Because of its vigor and hardiness of tree as shown in growth, it lives longer and bears heavier crops regularly. Photos below show the remarkably **Young-Bearing, Heavy-Bearing, Long-Life OLD OAK PROCESS Whole Root Trees.**

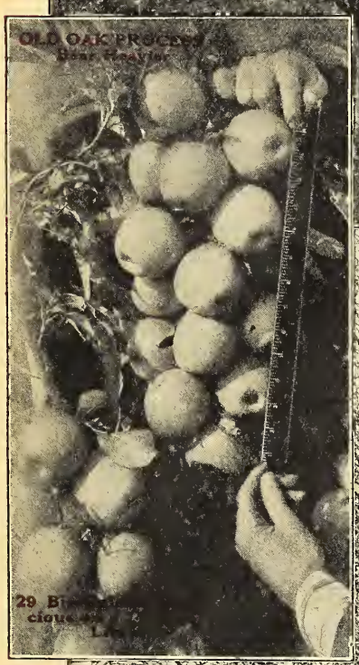


Photo to left shows 2-year OLD OAK PROCESS Whole Root Stark's Golden Delicious Tree loaded with nearly a hundred big apples, grown by J. P. Leaf—seventy-seven years old—who says: "They surely take the cake for early bearing and thrifty growth."

Professor W. H. Lawrence, Missouri State Experiment Station, recently said, "There is no question about the superiority of strong Whole Root trees—healthier, longer lived and more profitable than weak trees from piece roots." Professor Lawrence's many years of experience and his broad knowledge of orchard trees enable him to speak with absolute authority. Not only in Missouri, but throughout the country, the Folly of Planting Weak Piece Root Trees is only too apparent.

115,172,377 Fruit Trees Died in the Last 10 Years in the U. S. Alone

Today many planters are reaping the penalty of Piece-Roots in their dying orchards. 115,172,377 Bearing Fruit Trees Died in the last 10 Years. The truth of the old saying, "**It pays to buy the best,**" is never more apparent than when applied to the purchase of fruit trees.

If the mistake of Planting Piece Root Trees is made it follows you on through the years as a constant reminder of your lack of knowledge and faulty judgment.

Trees are Planted For a Life Time. The die is cast and the example of your judgment goes on down through the years to mock you and to be read by every passerby.

Old Oak Process Proved Best—by long tests. Long ago we realized too many orchards were short lived, failed to grow and if they bore at all they came into bearing late and soon faded away. Trees blew over or died and it was apparent that something was wrong in the method of growing the young trees. After tests with thousands of trees, we finally evolved improved growing methods, which we called the OLD OAK PROCESS. This process has been added to, strengthened, improved, kept right up to date as the years have gone by. Today it represents the keenest, most scientific and absolutely practical method of growing the sturdiest, young-bearing, heavy-bearing trees.

An Old Oak Process Tree is **Worth the Price of Ten Piece Root Trees,** yet by Producing Millions we are able to Sell Them to Planters Almost as Cheap as Ordinary Trees sold by others.

"An OLD OAK PROCESS Tree Would Be Cheap at $5.00—

compared to those other trees as a gift!" declared Mr. Sutton, Owner of a 7,000 Stark Old Oak Process tree orchard near Newton, Ill. "Last spring I bought 800 trees (**Not** Stark Trees), because of a so-called bargain price. I had to throw away 400 as worthless.

"I received the Stark Trees at the same time, so I planted the best of the 'cheap' trees between the Stark trees. **Look at the difference!** Photo No. 1 at right is a Stark Tree only 1 year and 3 months old. Photo No. 2 is the 'cheap' tree, same age. No. 3 is a Stark Tree, only 3 mos. old—much bigger than the 'cheap' tree 15 mos. old. That's why a Stark Tree is cheap at $5.00 compared to those others as a gift."

Photo No. 1 (above) shows remarkable growth of An OLD OAK PROCESS Tree 1 year and 3 mos. after planting.

Photo No. 3 (at left) is an OLD OAK PROCESS only 3 months after planting. Even this 3-months tree is much bigger than 15 mos. cheap tree.

Photo No. 2 (above—at left) shows another nursery's "cheap" tree 1 year and 3 months after planting. Note puny, weakling growth.

STARK TREES

STARK TREES BEAR FRUIT

"Old Patriarch"—
107-Year-Old Stark Tree---Still Bearing Apples

DOUBLE-LIFE TREES

Stark Bro's Trade Mark

Stark Bro's Grow ALL OLD OAK PROCESS and "Double-Life" Trees. Both are our exclusive trade-marks, covering the superior younger bearing, heavier bearing, longer lived trees grown by these methods, which have been developed by **5 Generations of Stark Nurserymen during Over 100 Years tree Growing.** On some varieties, because of weak bodies or other reasons, we have found the DOUBLE-LIFE process best. For example, we grow Grimes Golden by the DOUBLE-LIFE method to prevent body rot.

* * *

"Though ONLY half my Orchard is Stark OLD OAK PROCESS Trees, they make 3 TIMES AS MUCH PROFITS AS THE OTHER HALF from another nursery. Stark Trees bore much earlier than others though planted 1 year later." —A. J. Stahmer, Omak, Wash.

"Only God Can Make a Tree"

I think that I shall never see
A poem lovely as a tree.
A tree whose hungry mouth is prest
Against the earth's sweet flowing breast;

A tree that looks at God all day,
And lifts her leafy arms to pray;
A tree that may in Summer wear
A nest of robins in her hair,

Upon whose bosom snow has lain;
Who intimately lives with rain.
Poems are made by fools like me,
But only God can make a tree.

—Joyce Kilmer

Number of Trees to Plant to An Acre

Planting Distances

Apple—24 to 33 ft. apart. We advise 30 feet as most satisfactory.
Apricot—16 to 20 ft. apart.
Cherry—(sour sorts), 16 to 20 ft.; (sweet sorts), 20 to 27 ft.
Grape—8 ft. apart in rows 10 ft. apart.
Peach—16 to 20 ft. (commercial peach growers all over the country consider 20 ft. apart the correct distance).
Pear—Standard, 20 to 27 ft.; (Dwarf) 10 to 16 ft.
Plum—15 to 20 ft. (in rich soil, Japanese plum should be planted at least 20 ft. apart).
Quince—10 to 16 ft. apart.
Black Raspberries and Blackberries—3 ft. between plants, in rows 6 to 8 ft. apart.
Red Raspberries—3 ft. apart in rows 5 to 6 ft. apart.
Asparagus—1 to 2 ft. apart in rows 3 to 3½ ft. apart.
Mulberries—22 to 28 ft. **Pecans**—35 to 40 ft.

Number of Trees to An Acre

	Square Plan	Triangular Plan		Square Plan	Triangular Plan
40 ft. apart	27	31	18 ft. apart	135	155
35 ft. apart	35	40	15 ft. apart	194	223
33 ft. apart	40	46	12 ft. apart	303	349
30 ft. apart	49	56	10 ft. apart	436	502
27 ft. apart	60	69	8 ft. apart	681	783
24 ft. apart	76	88	6 ft. apart	1,210	1,392
22 ft. apart	90	104	5 ft. apart	1,743	2,005
20 ft. apart	109	125	4 ft. apart	2,725	3,134

How to Properly Plant Trees

What to Plant

The planting information given in our literature is not guesswork or hearsay. Our advice is based on **over 100 years of Stark experience,** and the accumulated knowledge of private and State Experiment Stations, with which we are in constant touch. We have done your testing for you. Plant our "Star" (*) varieties—they have been proven worthy; you take no chances.

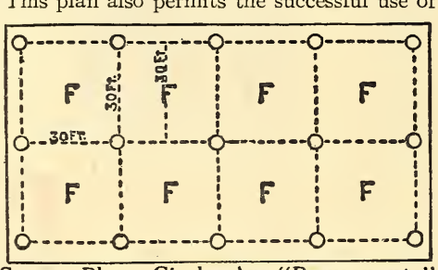
When to Plant

Planting season is not regulated by date or by planters' location, but by condition of stock to be planted. Trees can be successfully transplanted as long as they are dormant. The Stark method of packing and shipping assures arrival in proper planting condition. We ship successfully to the south long after their spring has opened, and their trees in full leaf.

Planting Plans

The method of planting must be determined by the grower. We show sketches of the two main plans. The square plan is largely used, it is easy to lay out and is well adapted to the use of fillers. The triangular plan allows more trees to the acre and is explained by the diagram. In the middle row, the trees are opposite the spaces of the adjacent rows—no unused space as there is in the square plan. This plan also permits the successful use of fillers. **"Fillers"** are temporary trees, planted half way between the **permanent** trees and cut out at about 15 years of age—when the permanent trees need the room.

To find the number of trees required to an acre (square plan), multiply the sides of the square or rectangle together and divide the product into 43,560 (the number of square feet in an acre). To find the number of trees when planted by triangular plan, add 15% to the number required by the square plan.



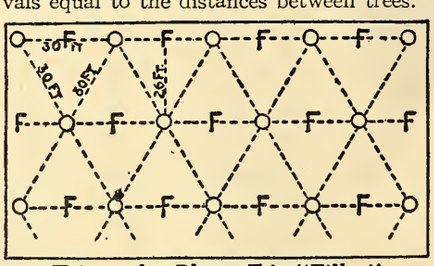
Square Plan—Circles Are "Permanents"

Laying Out the Orchard

Rows should be straight and correctly spaced, not only on account of the appearance, but to make the orchard operations easier.

In planting by the **square plan,** the ends and sides of the field are staked off at intervals equal to distance between trees. Then, deep furrows should be plowed from stakes on one end to corresponding stakes on the other end. Then, plow furrows across the field between corresponding stakes on the sides. Wherever the furrows intersect is the position for a tree. To assist the man with the plow, stakes should be set in line between the end stakes. By sighting along these stakes the line can be kept fairly straight.

Another method is the wire method. Stakes are set on opposite ends of the field at intervals equal to distance between rows. Then, a wire is stretched across the field—marked by paint or by pieces of small wire wrapped and soldered to prevent slipping—these markers to be at intervals equal to the distances between trees. Set stakes at point indicated by the markers on wire.



Triangular Plan—F is "Filler"

Preparing Land

Best preparation is to plow under manure before planting Plow deeply, then at planting time, a good thorough discing will probably be sufficient. Prepare just as well as for a farm crop. Some only plow strips 5 or 6 ft. wide, planting trees in strip.

Planting Details

Handling Trees on Arrival

Just as soon as the trees arrive unpack, shake out all packing material, plant at once if possible. If received during frosty weather, place them unpacked in a cool, dry cellar free from frost until weather moderates. Don't expose roots to sun, air, wind or frost.

Heeling in Trees

If ground not ready when trees arrive unpack and heel in. Select a well drained location, preferably on a ridge. Dig a trench 2 feet deep, throwing dirt forward to make a sloping bank, on which the trees are laid, cut open all bundles, shake out packing material, throw a layer of dirt on roots and whole length of tree, working soil in around roots. The removal of this soil forms another parallel trench in which second layer of trees may be placed. Smooth sides and dig trenches to carry off water.

Digging Tree Holes

Dig holes large enough to receive the roots easily without crowding or bending. Put the rich top soil on the roots first. Trim off broken and bruised ends of roots, cutting back long slender roots. Make cuts from under side so the cut surface will rest against the soil.

Planting

One man should hold tree in position, firming the dirt while the other man throws the dirt into the hole. Plant tree an inch or two deeper than in the nursery row. **Firming the dirt around the roots is important.** After the roots are well covered, tramp and pound the soil in hard until the hole is three-fourths full, then, if dry, pour in several gallons of water. As soon as it soaks in, fill up the hole with loose dirt, but do not tramp after watering. Some growers place well-rotted manure around the base of the tree after planting. This acts as a mulch and also furnishes plant food for the tree. Do not place manure in direct contact with the trunk and never put it in the hole, because it will make air pockets and cause the roots to dry out.

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THE SENSATIONAL J. H. HALE PEACH

Greatly reduced photograph of huge J. H. Hale Peaches, grown in Stark Bro's orchards at Louisiana, Mo. and sent to Ex-U. S. Pomologist, H. E. VanDeman, who wrote: "Stark Bro's — The J. H. Hale as grown at Louisiana, Mo., are certainly a beautiful yellow and red color — they arrived in good condition."

The Latest Peach Wonder
THE
J. H. HALE

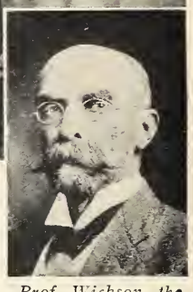
Huge—Beautiful—Golden—Freestone—Solid—Delicious—Round as a Ball—A Great Shipper—A Splendid Keeper—Brings Top Prices and Big Profits—Vigorous, Sturdy Trees. The J. H. Hale and the Stark Early Elberta are the two big yellow peach sensations of the Twentieth Century, and are being planted by thousands of growers.

11,000 Mile Trip For Stark Early Elberta

(See photo to right.)

Opening a box of Stark Early Elberta after a journey of 11,509 miles. Six boxes shipped from Utah by Dr. Sumner Gleason to H. W. Collingwood, Editor Rural New Yorker. He re-shipped them to Dr. E. J. Wickson, Calif. Exp. Sta., who shipped them to E. H. Favor, Editor Fruit Grower, St. Joseph, Mo., who shipped them on to us at Louisiana, Mo. They were in perfect condition, so we sent them on for a second visit to Editor Collingwood. He examined them and returned to us—completing a remarkable journey, 11,509 miles, without an ounce of ice, in good shape, and "crisp and juicy to the last."

Dr. Sumner Gleason who fruited the first Stark Early Elberta



Prof. Wickson, the Great Western Authority.

**Stark Early Elberta Trade Mark

King of ALL Yellow Freestones

The Supreme Yellow Peach, most delicious yellow variety known. Most valuable of over 4,000,000 new peaches sent out by us. Huge size, glorious pure golden yellow, sometimes tinted with flashing red. Stark Early Elberta averages larger than old Elberta, has a strong protecting skin, covering a luscious flesh that is **flavored with a juice as sweet as nectar,** better than old Elberta or any other yellow peach. It allures with its beauty, gratifies with its quality and **sells for top market prices** everywhere. The peach lovers of the nation have put upon it the stamp of their approval and it is today the most-talked-of and best liked of all peaches. Stark Early Elberta is a Stark Variety—originated and introduced by us about 15 years ago from Utah where the first tree fruited. It has fruited from New York to California, from Michigan to Georgia and throughout the entire country **has won the admiration of every grower.** It ripens from **a week to 10 days ahead of old Elberta** and enables the grower to put big, handsome, luscious yellow peaches on the market before Elbertas are ready. Sells for $3.50 when Elbertas from the same orchards go at $1.50 because it hits the market at just the right time. Tree, sturdy grower, hardier than Elberta and can be depended upon for big crops. Thomas F. Rigg, Horticulturalist, and President American Poultry Association, writes us from his Iowa Orchard: "Extremely hardy in bud, far more so than Elberta and will thrive and produce far north of the Elberta limit." Wise ones are planting it largely. Many bogus, inferior sorts have been sent out as "Early Elbertas." Get the genuine from Stark Bro's.

E. W. Kirkpatrick, nationally known, Texas peach authority, says: **"The most beautiful and perfect peach I have ever seen;** texture finer than **Elberta, color richer and more beautiful; a great acquisition to the wealth of the world."** Luther Burbank, recognized as the greatest horticultural genius the world has ever known, tested Stark Early Elberta then wrote us: "One of the handsomest, most shapely and most beautifully colored of peaches; quality fully carries out its appearance. **A model peach.** Congratulations." The whole peach world recognizes its value and its introduction has tremendously stimulated American peach growing. Ripens 10 days before Elberta. **Eating, Cooking, Canning, Drying, Market. NCS.** **Originated and introduced by Stark Bro's.**

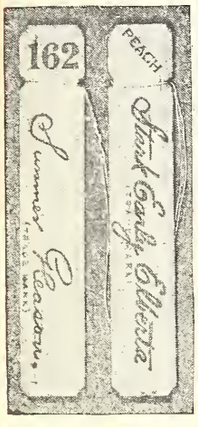
Kaysville, Utah

Stark Bro's N. & O. Co.,
Louisiana, Mo.

Dear Sirs.—This is to inform you that I have never supplied buds from the original Early Elberta tree or other trees of the same variety to any nursery except Stark Bro's, Louisiana, Mo.

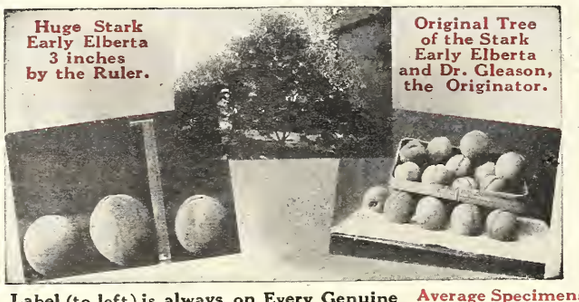
Very truly,
SUMNER GLEASON.

We Control All Buds from Original Tree.

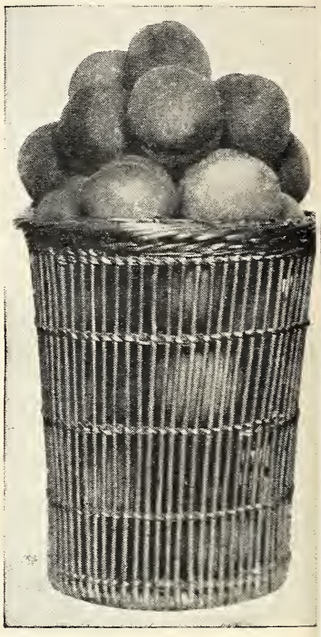


Label (to left) is always on Every Genuine Stark Early Elberta.

Below—Stark Early Elberta and ruler in center of 3 peaches—Carman to left, Old Elberta to right. Dr. Gleason and original Stark Early Elberta Tree. Basket of Stark Early Elberta and ruler.



Average Specimens grown in the same orchard. Stark Early Elberta brought 86 per cent more than Old Elberta.



A clothes basket full of Stark Early Elberta.

Below—a 3-year-old Loaded Orchard of Stark Early Elberta—King of all Peaches. The Greatest Peach from over 4,000,000 Seedlings Sent Out for Testing by Stark Bro's.

Exclusive Control

In consideration of S.... the said Sumner Gleason (originator of Stark Early Elberta) does hereby grant, assign and set over unto Stark Bro's the exclusive right and control of all stock and buds of the original tree to the sole use and control of Stark Bro's.

Hon. Parker Earle, Ex-Pres. American Horticultural Society, who planted 14,000 J. H. Hale. Read his letter at right of center peach basket photo.

11,000 Peach Trees Produced $30,000.00 in One Season. Plant Enough of each Variety to ship car lots, to get top prices.

Hale brings $5.00 per bushel when Elberta sells at $3.50. A great shipping peach. Reaches distant markets "Fresh as a daisy" —in condition to DEMAND TOP PRICES.

Prof. P. F. Williams wrote in Southern Fruit Grower: "Beautiful examples of perfection—the rather thick, firm, tenacious skin is another fine point in its favor."

** J. H. Hale—"Million Dollar Peach"

Mid-Season—Yellow Freestone—Ripens Just Before Elberta

Originated by Mr. J. H. Hale—"The Peach King." In size, color, texture, flavor, keeping and shipping qualities J. H. Hale surpassed old Elberta. Often sells for $5.00 per bushel when Elberta brings $3.50. Mammoth in size, vivid carmine over golden yellow, almost perfectly round, **fuzzless** and smooth as a glove. Commands instant attention on all markets by **Giant size and glorious color.** Flesh solid like a cling, yet melting, tender, free from grain and stringiness, has **exquisite peachy flavor**—without any of the bitter tang of Elberta; almost as firm as a cling stone; shipping ability is really marvelous;—have been actually shipped in barrels like potatoes—1000 miles and arrived in good condition. Tree a stocky grower, often bears at 2 years old. Bears heavily and has proved its adaptability to a wide range of soils and climates but does best in good land. The N. J. Exp. Sta. says—"From our experience J. H. Hale is a much superior peach commercially to Elberta—an extraordinarily good shipper." **Eating, Cooking, Canning, Market. NCS.**

J. H. Hale tree (above) bearing magnificent big peaches "as thick as they can stick" —in a Missouri Stark tree orchard.

Big photo (above at right) shows great size of J. H. Hale. These peaches almost burst the basket. Grown on Stark Trees in a Pike Co., Mo., orchard.

$5.00 a Bushel in Famous Simpson Orchard

Among the best known orchards in America are the Simpson orchards at Vincennes, Ind. For several years J. H. Hale has been their big profit maker. Last summer when most peaches were killed J. H. Hale produced a big crop and **brought $5.00 per bushel.** The Simpsons consider it their greatest money-maker.

22° Below Zero—No Injury

"J. H. Hale is beyond any claims made for it. Elberta froze out at **22 degrees below zero; Hale came through** without injury. Very large fruit; very vigorous. Rapid grower. Will displace Old Elberta in future plantings."—N. P. Mead, Chelan Co.

J. H. HALE in America's Largest Peach Orchard

"Spent three years in the largest peach orchard in America—the Bert Johnson Orchards at Nashville, Ark. Saw J. H. Hale coming into bearing alongside Elberta and I know it is **all you claim** in size and flavor."—Henry Leaton, Garland Co., Ark.

Planted 14,000—Grow Huge Size

Hon. Parker Earle, Ex-Pres. American Hort. Soc., who planted 14,000 Hale, wrote: "I have fruited J. H. Hale this past season from trees planted last year. I had specimens, 3¼ and 3½ inches in diameter. They grow as **large as Stark Early Elberta."**

Loaded 2-year-top-budded J. H. Hale tree (photo below) was grown in Stark Bro's test orchard from buds cut by Mr. J. H. Hale from his bearing orchards.

$34,000.00 for 65-Acre Crop

Prof. F. D. Garrison, Field Agent, Tennessee Horticultural Society, recently wrote—"List and Downey's peach orchard, **only 6 years old,** produced 16,800 bushels from 65 acres this year. Has not missed a crop since it was 3 years old. Trees are J. H. Hale, Elberta. . . . . Net income from orchard was $34,000.00!"

$1420.00 Per Acre Profit

That's one of the J. H. Hale records. Southern Farming quotes—"From this 1 acre of J. H. Hale trees we harvested 748 bushels—1500 full peach baskets and 1000 six-basket crates. They sold the next morning for **60 per cent higher than Elberta."**

Hale Free From Disease

"The J. H. Hale is the greatest peach I ever saw. Must say they are **better than anything else** I have. Your Hale trees are absolutely free from any disease."—Jas. M. Mount, Montgomery Co., Maryland.

Handsomest of All Peaches

J. H. Hale is the handsomest thing in the peach line that I have ever seen. Prof. Chenoweth and I agree that it is a much handsomer peach than the Elberta, Better in quality and a much better market peach.—F. S. Sears, Prof. Pomology, Mass Agri. College.

Grown on OLD OAK PROCESS Whole Root Tree

Look at this loaded branch of big Hales (photo at right) Stark Trees. This heavy bearing habit makes Hale a tremendous crop producer.

J. H. Hale

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BELLE OF GEORGIA
JAPAN GOLDEN GIANT CLING
HILEY
ELBERTA CLING
HYSLOP CLIN
OLD MIXON FREE IMPROVED
J. H. HALE
CHAMPION
STARK SUMMER HEATH

Basket of Beautiful Alton

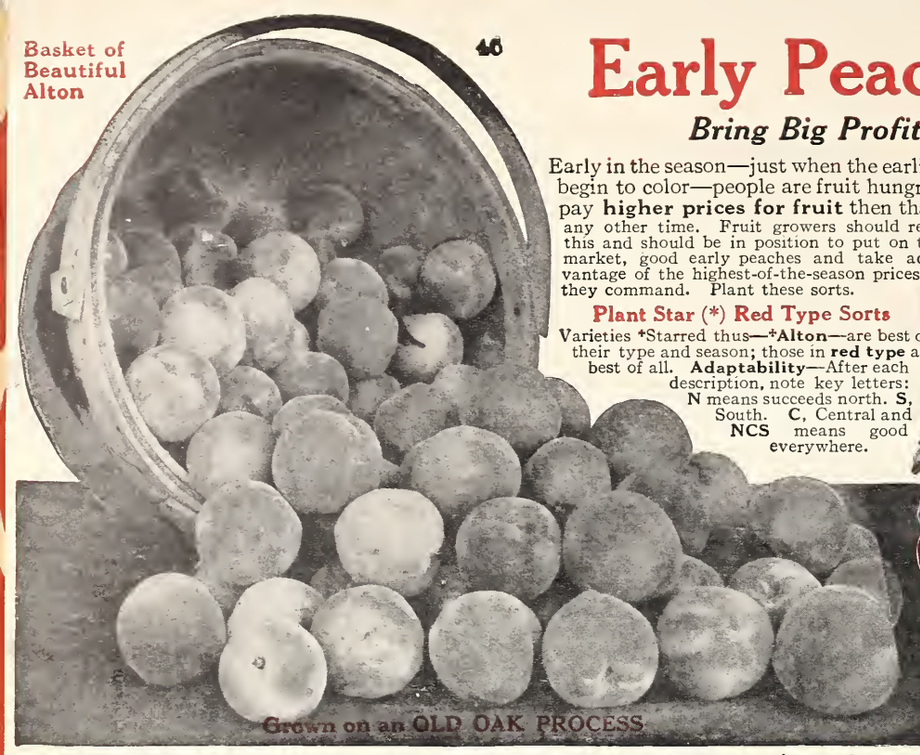
Early Peaches

Bring Big Profits

Early in the season—just when the earliest ripening peaches begin to color—people are fruit hungry. They will willingly pay **higher prices for fruit** then than at any other time. Fruit growers should realize this and should be in position to put on the market, good early peaches and take advantage of the highest-of-the-season prices they command. Plant these sorts.

Plant Star (*) Red Type Sorts

Varieties *Starred thus—*Alton—are best of their type and season; those in **red type** are best of all. **Adaptability**—After each description, note key letters: **N** means succeeds north. **S**, South. **C**, Central and **NCS** means good everywhere.

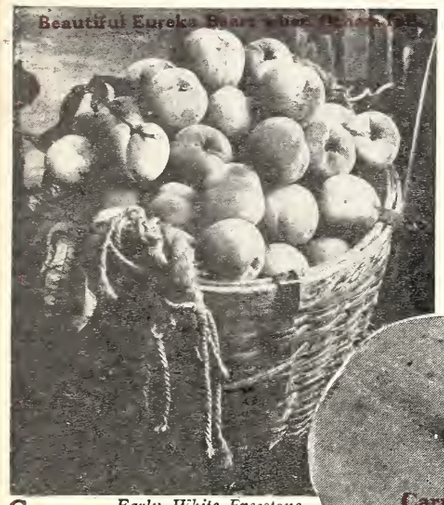


RED BIRD

Big, gloriously colored Red Birds like these top all markets everywhere. Acknowledged everywhere best and most beautiful early peach, and a better shipper than Elberta. "F. W. Boardman, St. Louis, sold 16 cars Red Bird for $12,689.-60." — K. C. Packer.

***Alton** *Early White Freestone. Queen of all White Peaches.* No other so sure a bearer. None more delicious. A magnificent white-fleshed freestone, that is larger than Carman, better quality than Champion, and **handsomer than any picture ever painted.** Fruit large, creamy white with a glorious blush of rosy red; flesh white, firm, **sweet, juicy;** flavor rich and luscious. Tree strong, vigorous, **immensely productive,** extremely hardy in bud and bloom, and everywhere produces more and larger crops than any other white peach. Always commands better prices than any other white sort. Ripe about 30 days before Elberta. **Eating, Cooking, Canning, Market. NCS.** **Introduced by Stark Bro's.**

There are four requirements of the commercial peach: color, size, quality and good shipper. Alton has all four. Prof. L. R. Taft, Michigan State Inspector, one of the most conservative orchardists in the north, says: "Alton one of the hardiest we grow in Michigan." Plant this great white and red peach everywhere for market and home use. Ideal for canning, preserving, sweet pickles; **24 degrees below zero killed practically all peaches, including seedlings. Alton and Eureka** came through with a fairly big crop.



Mayflower *Very Early White Semi-Cling.* A gloriously beautiful "red all over" peach—the earliest of all varieties. Good size, good quality. **NCS.**

Carman *Early White Freestone.* A large creamy white pink blushed peach that has long been popular. Tree hardy and bears well. Alton, which ripens just about the same season, is fast taking its place. Ripe 29 days before Elberta. **Eating, Cooking, Canning, Market. NCS.**

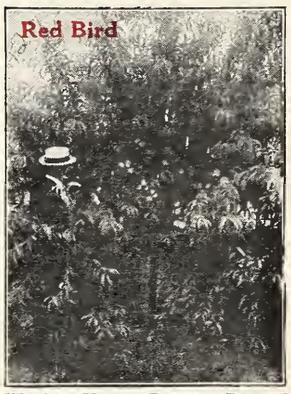
Carman-Alton 1-3 Size

(Above) Carman (left) only 1-2 as large as Alton (right)

***Red Bird** *Earliest White Cling.* A sensation on all early markets Large as Elbertas, strikingly handsome, and the first big blood-red peach ready for market. Nearly twice the size of other peaches of same season. Fruit bright glowing red on a background of creamy white. Flesh, unlike other extremely early sorts, is firm, like Heath Cling—making it an **ideal shipper;** rots very little. Tree extremely hardy—has large light pink North China type blossoms like all other extra hardy sorts; World's record young bearer (see photo on right); strong grower, regular bearer, often bears big crops when other hardy sorts fail. W. A. Jeffers, Arkansas orchardist, got as high as **$10.00 per bushel.** E. W. Kirkpatrick, great peach authority, says: "Making wonderful record; selling for $4.00 to $6.00 per bushel by carload." Ripe 45 days before Elberta. **Eating, Cooking, Market. NCS.** **Introduced by Stark Bro's.**

Bert Johnson, Arkansas peach king—4400 acres in peaches—sold his Red Birds this year at $4.00 to $4.50 per bushel. The advent of this glorious peach makes possible **tremendous profit.** Far seeing business orchardists are planting them, for they know there is a demand for early peaches that heretofore could not be satisfactorily supplied. For the small home and local market orchard they are tremendously popular.

As Joseph Gerardi, well-known Illinois orchardist says: "It is the leading extra early sort—certainly a grand peach." "From 175 Red Bird sold $442.00 worth of fruit, besides giving away many bushels."—W. A. Hill, Johnson Co., Ark. "Red Bird fruited well—nearly all others killed; **grand lookers, sell well."**—J. W. Bell & Son, Chautauqua Co., N. Y. "Red Bird from 75 trees brought $413.50."—R. F. Kietar, Smith Co., Texas. "Sold on Memphis market as fast as I could ship; largest early peach, beautiful, ships well. Wish you could have seen these blood red peaches in my Red Bird Cling block."—Dr. E. L. Morris, Fayette Co., Tenn.



World's Young Bearing Record—1½-year-old. Red Bird Loaded in Nichol's 20,000 Stark Tree Orchard—nearly a bushel.

***Eureka** *Early White Freestone.* The great **ironclad hardy** white peach. Recent test winter—**32 below zero** killed practically everything; Eureka had fair crop. Fruit large creamy white with rosy red blush, quality delicious; about the size of Carman, but **better flavor** and a better shipper—almost free from brown rot. Tree one of the thriftiest and healthiest, thoroughly hardy; bears well, and always sells readily. Ripe 35 days ahead of Elberta. **Eating, Cooking, Canning, Market. NCS.** **Introduced by Stark Bro's.**

***Early Rose** *Early White Cling. Flaming cherry-red.* Wonderfully refreshing, peachy fragrance and rich, **delicious, sweet flavor.** Very hardy blossoms—bore 10 years without a miss. Bears full when others are half killed. **Best of its season** for home and commercial orchards. Good shipper, brought $2.50 when others sold for $1.50. Healthy, stocky, disease resistant tree. Thirty-five days before Elberta. **Eating, Cooking, Market. NCS.**

***Early Mamie Ross** *Early White Semi-Cling.* We have discarded old Mamie Ross, and grow only this magnificent earlier strain. It is larger, finer looking and is ripe a week earlier. Fruit creamy white with a **bright red** cheek, large, handsome, juicy and **perfectly delicious** in quality The tree is hardy, a good grower and a dependable bearer. It ripens 34 days before Elberta; valuable for home and market. **Eating, Cooking, Market. NCS.**

***Crawford Early Improved** *Mid-Season Yellow Freestone.* Better quality, hardier, better in every way than Old Crawford Early. Deep yellow, bright blush; **sweet, rich, fine quality.** Tree hardy, healthy, vigorous, good bearer. Sells well and at good prices, but we much prefer Stark Early Elberta, which ripens about the same time. 7 days before Elberta. **Eating, Cooking, Canning, Market. NCS.**

***Stark Early Elberta** (*Trade-Mark*) See pages 40 and 42.

2-Year Stark Early Elberta Tree in the Famous Seibert Orchards—265 Half-Grown Peaches. This big crate of huge Stark Early Elbertas was shipped 2,000 miles, then kept a week, color pure unblushed gold and sweet as honey-dew.

Glorious Stark Early Elberta like these brought Louis Seibert $3.60 per crate when old Elbertas brought $1.45. Always bring premium prices.

Stark Early Elberta

OLD OAK PROCESS Whole Root Trees

Finest Early Peaches

June Elberta—Earliest Ripening, Highly Colored, Fine Quality Yellow Peach.

R. B. Seller's, Meigs Co., O., Stark Peach Tree Orchard—only 1-year old. See wonderful growth.

***June Elberta** *Early Yellow Semi-Freestone.* Earliest ripening good yellow peach. "Ripens evenly, flavor fine, meat a deep rich yellow clear to the seed—**by far the best early yellow peach,"** says Wm. H. Welch, of Dent Co., Mo. A great big fine looking yellow peach, of excellent quality; ripens very earliest, and resists rot. 43 days before Elberta. **Eating, Cooking, Market. NCS.**

For years an extremely early yellow peach has been wanted, as the markets are eager for them. June Elberta is just what orchardists want. **Is hardy,** thrifty, enormously productive. Unlike most extremely early peaches it is **a first-class shipper,** and because of earliness, size, beauty and quality it will always command high prices. Vastly superior to Arp Beauty, which it resembles.

Hiley (Early Belle) *Early White Freestone.* A pink-blushed white peach of great size and beauty. Tree hardy, dependable bearer. Recommended for market and home orchard. Best white peach to ripen just ahead of Belle of Georgia. 18 days before Elberta. **Eating, Cooking, Market. NCS.**

***Japan Golden Giant Cling** *Mid-Season Yellow Cling.* A marvelous peach that was recommended by Japanese Experiment Station, **imported by us,** and fruited in our Test Orchards. The fruit is very large size golden yellow with rich red blush. Flesh **pure golden yellow,** firm and of **unsurpassed quality.** Tree extraordinarily strong grower, young bearer, seems perfectly hardy. Comparing to scores of others in our Test Orchards we believe we have never fruited a better peach of its type and season. *9 days before Elberta.* **Eating, Cooking, Canning, Market. NCS.** **Introduced by Stark Bro's.**

***J. H. Hale** *Mid-Season Yellow Freestone* This great yellow market peach has **created a tremendous sensation** among orchardists all over America. Superior to Elberta in size, quality and shipping. See page 32 for description.

***Elberta Cling** *Mid-Season Yellow Clingstone.* An immense size yellow peach that looks just like Elberta, but is a perfect clingstone. The tree is a **sure and heavy cropper** and the fruit is of superb quality. Flesh firm, excellent shipper, goes on the market in good condition and brings top prices.

The **best yellow clingstone peach,** and it succeeds perfectly in all Elberta sections and further north. We introduced this variety over 25 years ago and it has never disappointed us. Fruiting successfully and profitably all over the United States. We urge its planting in all home and market orchards as it is the finest all-round Cling we have ever seen. 3 days before Elberta. **Eating, Cooking, Canning, Market. NCS.** **Introduced by Stark Bro's.**

***Stark Summer Heath** *Mid-Season White Cling.* A creamy white peach of the Heath type, but ripens 35 days earlier. Has snow white flesh clear to the pit. The fruit is large, handsome, luscious and sweet—**requires very little sugar** for canning. Tree extremely hardy, sure, heavy bearer. As a canning and preserving peach it ranks high, and is also ideal for sweet pickles. Strongly recommended especially for the home orchard. 7 days after Elberta. **Eating, Cooking, Canning, Market. NCS.** **Introduced by Stark Bro's.**

***Hyslop Cling** (*Sugar Cling.*) *Medium Late White.* Wonderfully fine white cling peach beautifully blushed red; large, round, handsome; flesh **sweet, tender, juicy,** good. Tree vigorous, hardy, satisfactory. A favorite in Stark Orchards for three generations. We consider Hyslop and Elberta Cling two of the best of the clingstones. 15 days after Elberta. **Eating, Cooking, Canning, Market. NCS.**

Peach Ripening List

In this list Varieties are arranged in **Order of Ripening**—Earliest at the top of the list (Mayflower), with the latest at the bottom (Krummel October). Use this list **for Selecting a Succession** that will provide peaches continuously throughout the Summer and Autumn. Those Starred (*) are exceptionally fine. Name in **Red Type** denotes—**"Best of its Class and Season." 2d** following names denotes: **"2d Choice"** —sorts tried and found wanting.

VERY EARLY
Mayflower
Victor—2d
*Red Bird
*June Elberta
Greensboro
Arp Beauty
Early Rose

EARLY
*Eureka
*Early Mamie Ross
Waddell—2d
*Alton
Carman
*Uneeda Cling
YellowSt. John—2d
Mamie Ross
Connett's Early—2d
*Hiley (Early Belle)
Ray
*Champion
Mountain Rose—2d
Fitzgerald—2d
**Stark Early Elberta
*Crawford Early Imp.

MID-SEASON
*Oldmixon Free Imp.
*Worth
*Belle of Georgia
*Elberta Cling
*Capt. Ede
Kalamazoo—2d
*Elberta Queen
**J. H. Hale
*Stark Summer Heath

MID-SEASON —Continued
Engle Mammoth—2d
Gold Dust Cling—2d
*Washington
*Golden Sweet Cling
*Illinois
*Holsinger Salway
*Shipper's Late Red
*Crawford Late Imp
Niagara—2d
Crosby—2d
*Chair's Choice

LATE
*Late Elberta
*Hyslop Cling
*Yates Cling
Idaho Mammoth
Fox Seedling
Banner—2d
Sea Eagle Imp.
*Crother's Late
Smock Imp.—2d
*Martha Fern Cling
Klondike—2d
Phillips Cling—2d
*Jap. Golden Giant

VERY LATE
*Mam'th Heath Cling
Salway—2d
*October Elberta
*Stark Heath Cling
Levy Late Cling—2d

LATEST
*Krummel October

See above for proof that a REAL Stark Early Elberta is larger than those shown on page 30 this book.

***Oldmixon Free Improved** *Mid-Season White Freestone.* Similar to Oldmixon, but larger, higher color, more productive. Large creamy white, with red blush. The late C. M. Stark considered it the highest quality white peach. 7 days before Elberta. **Eating, Cooking, Canning, Market. NCS.**

***Champion** *Mid-Season White Freestone.* Has long been the standard quality white peach, but the recent popularity of Alton has caused fewer Champion to be planted. Flesh firm, sweet, rich, satisfying. Tree hardy, good bearer. 14 days before Elberta. **Eating, Cooking, Canning, Market. NCS.**

STARK TREES BEAR FRUIT

Belle of Georgia (photo at right) —a Red and White Elberta—even more dependable than old Elberta. A big money maker for growers.

Belle of Georgia

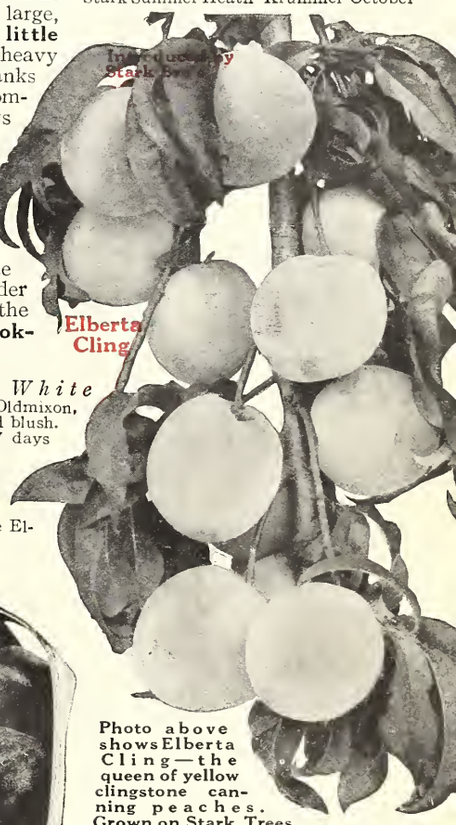


Photo above shows Elberta Cling—the queen of yellow clingstone canning peaches. Grown on Stark Trees.

***Belle of Georgia** *Mid-Season White Freestone.* Has been called a "Red and White Elberta." Large size, bright red blush; flesh rich creamy white, delicious in quality. Ships remarkably well and goes on the market in good condition. Largely planted in Southern and Central States, and a good money maker wherever peaches grow. Eight days before Elberta. **Eating, Cooking, Canning, Market. NCS.**

STARK TREES
REG. U. S. PATENT OFFICE

Largest in the World
Oldest in America-1816

STARK TREES BEAR FRUIT

Plant Our *Star Varieties

Pay Day at One of Our 7 Great Nurseries
—where an army of trained nurserymen are employed. Many of them here their lifetime—some their fathers and grandfathers before them. On two great trunk line railroads we quickly ship East, West, North, South.

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OCTOBER ELBERTA
KRUMMEL OCTOBER
SEA EAGLE IMPROVED
STARK HEATH CLING
LATE ELBERTA
SUPERB APRICOT
CROTHERS LATE
GOLDEN SWEE CLING
HOLSINGER SALWAY
MAMMOTH HEATH CLING

Stark Denver Orchards—No irrigation. U. S. Dept. said: "This lesson from Stark Bro's worth millions of dollars to the country."

One of Stark Bro's Peach test orchards. This orchard contains hundreds of promising peaches. We also have large test orchards of Apple, Pear, Plum, Cherry, Grape, etc.

Mid-Season Peaches

E. H. Riehl, Originator Illinois Peach and Other Fruits

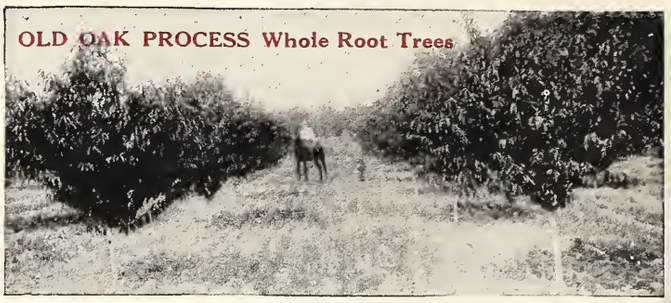
***Illinois** (*Trade-Mark.*) *Mid-Season White Freestone.* A large, handsome creamy white red cheeked peach that is juicy, spicy, of **highest flavor,** ships well and **sells well.** The tree is extremely hardy, a good grower and a dependable bearer. It is remarkably **free from rot** and ripens after Champion—even superior to that old favorite. Illinois originated with Mr. E. H. Riehl, Ill. Exp. Station, and was introduced by us. We have found it one of the **most satisfactory white varieties**—excellent for eating fresh and one of the finest for canning. Dr. E. L. Morris, Tenn., says: "Much better quality than Carman, and later. I do not want a better peach." Ripens 7 days after Elberta. **Eating, Cooking, Canning, Market. NCS.** **Introduced by Stark Bro's.**

ASTOUNDING IN SIZE—The Illinois peach trees I got from you have borne peaches simply astounding in size.—W. C. Squier, Calhoun Co., Mich.

LOADED WHEN OTHERS FAIL—Illinois peach trees in my orchard loaded when other sorts failed to bear.—J. D. Hofreiter, Tazewell Co., Ill.

BEST OF ITS CLASS—I cannot but regard it as **far superior** to anything else in its class. Preferred to Champion, more attractive and more valuable. Later: Compared to Champion it is more hardy and of better quality.—E. H. Riehl, Illinois Experiment Station.

A WONDER IN NEW JERSEY—Illinois peach a wonder. I had **17 quarts** from **two 2-year-trees** and thinned half at that.—B. O. Bogert, Bergen Co., N. J

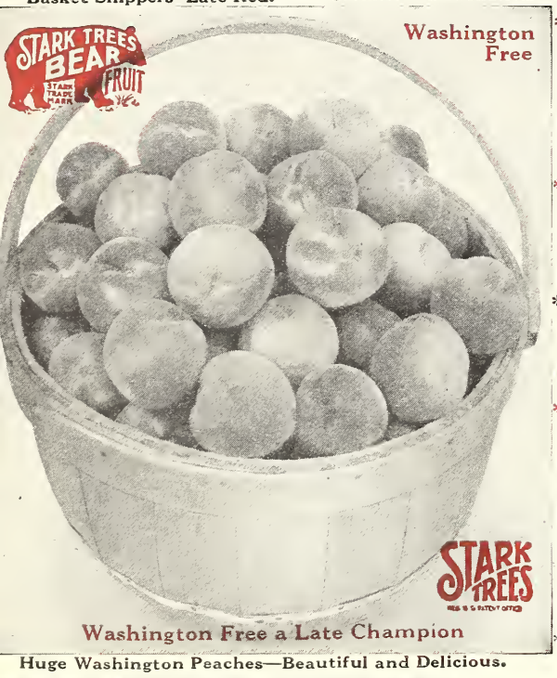


C. F. Haight's 3-year-old New York "Stark Tree" Peach Orchard in Yate County. Average 12 Quarts per Tree—Very Fine and Brought Top Market Price.

Basket Shippers' Late Red.

***Washington** (*Mid-Season White Freestone.*) Just the shape, size and color of Champion—but three weeks later and a better shipper; just simply a Late Champion. **Quality is superb,** not dead sweet, but rich, juicy and luscious. Tree vigorous, and a sure cropper. **Eating, Cooking, Canning, Market. NCS**

We can offer delicious white freestone peaches covering the entire season—by carefully choosing varieties the orchard planted can have practically **60 days with white peaches all the time.** Red Bird, Eureka, Alton, Champion, Illinois, Washington, Sea Eagle Crothers—a wonderful combination that should be grown everywhere for both the home and market orchard. More white peaches should be grown; they are the favorites for dessert, for canning, preserving and for sweet pickles. Washington has been **one of our quality favorites** for many years; when in perfection we know no better peach quality



Huge Washington Peaches—Beautiful and Delicious.

***Capt. Ede** (*Mid-Season Yellow Freestone.*) Large in size, an excellent shipper and a general favorite for canning and eating out of hand. Has been **called a quality Elberta** as it is far superior to that variety. The tree is a strong grower and **hardier than Elberta,** and Michigan and other Northern peach regions are growing it widely. It is **sweet and good** with no bitterness at the pit and a perfect freestone; ripens practically in the Elberta season. A good sort to plant with Stark Early Elberta as it ripens about a week later. Ripens 3 days before old Elberta. **Eating, Cooking, Canning, Market. NCS.**

Elbertas from Hale's Famous Geo. Orchards

***Shippers' Late Red** *Late Yellow Freestone.* A huge, red-blushed yellow peach of **great beauty,** and splendid quality, **ripening 10 days after Elberta**—this and Late Elberta are just the peaches growers have been wanting to follow Elberta on the market. Tree hardy, thrifty, bears well. Originated in Indiana and took **1st Prize Indiana State Fair for 11 years straight.** Undoubtedly a most promising sort. **Eating, Cooking, Canning, Market. NCS.**

Captain Ede Sweet and Good

***Crawford Late Improved** *Late Yellow Freestone.* Our strain of Crawford Late is larger, better quality, and the tree is hardier, and a surer bearer than old Crawford Late. Fruit **large,** yellow, **delicious quality,** firm, **good shipper.** Tree healthy, hardy, thrifty, bears well. A good late peach, but not as valuable as Late Elberta which ripens about 4 days later. Ripe 10 days after Elberta. **Eating, Cooking, Drying, Canning, Market. NCS.**

***Elberta (Queen)** *Mid-Season Yellow Freestone.* Our select Queen strain is from the best tree in a large Elberta orchard—larger, rounder and often brings 50 to 75 cts. more per bu. than Elbertas offered by others. Known all over America as the standard market peach. Large, handsome yellow with beautiful blush, **ships well,** sells well. **Bears immense crops;** is a strong grower, has made millions for orchardists. **Eating, Cooking, Drying, Canning, Market. NCS.**

Fox Seedling *Late White Freestone.* A good pink-blushed white peach; mild, pleasant, good quality, and extra **fine for canning.** Tree dependable, hardy, good bearer. Recommended especially for the home orchard, although the fruit makes a good appearance on the market and sells well. Ripens 20 days after Elberta. **Eating, Cooking, Market. NCS.**

***Martha Fern Cling** *Late White* Originated in Pike Co., Mo.—one of the finest white clingstones. **Fruit immense size,** creamy white with pink blush; **quality superb.** Tree thrifty, hardy; satisfactory in every way. We introduced this peach and each season's experience adds to our confidence in the variety. Ripens 27 days after Elberta. **Eating, Cooking, Canning, Market. NCS.** **Introduced by Stark Bro's.**

***Yates Red Cling** *Late White Clingstone.* Just simply a Red Early Heath Cling—ripening 10 days earlier. Large, creamy white flesh, excellent quality. Originated in Pike Co., Mo., and tree is satisfactory in hardiness and bearing. Fine for canning and for preserves. Ripens 20 days after Elberta. **Eating, Cooking, Canning, Market. NCS.** **Introduced by Stark Bro's.**

***Big Indian Blood Cling** *Mid-Season Red Flesh.* The biggest, handsomest and best of all the blood clings—flesh red as that of a beet. Large, red, handsome—ideal for pickling and preserving. An unusual peach of marvelous beauty, and should have a place in every home orchard. Ripens 15 days after Elberta. **Eating, Cooking, Canning. NCS.** **Introduced by Stark Bro's.**

These Illinois (left) bring top market prices. Big red and white beauties. Dr. Morris, noted Tenn. Orchardist, says: "Do not want a better peach—much better flavor than Carman, and later."

We grow Peaches by millions. In the block below, rows a mile long. We grow only varieties proved by test to be satisfactory.

Oldest Nurseries in America—Largest Nurseries in the World

Superb Apricot One-half Size

Best Late Peaches

A Field of 800,000 Peach Trees (photo May 15)—we've finest soil and conditions to grow peach.

The same block of Peach Trees (on Sept. 15) showing over 5 feet growth in 4½ months.

*Krummel October—Best Late Peach

Latest Yellow Freestone. Gloriously red and gold—handsomest, best of all late peaches. Hangs on after all others—till frost. Of great size, almost round, deep yellow covered with carmine cheeks; luscious sweet, no bitterness next to the pit. Flesh firm and it ships perfectly. A general favorite for sweet pickles. Tree a strong grower, **extremely hardy, bears young** and seldom fails. Everywhere—East, West, North, South, the queen of all late peaches. Late varieties always pay, and Krummel leads in big profits. It comes on the markets after all other good freestones are gone, and peach lovers gladly pay highest prices for them. 40 days after Elberta. **Cooking, Eating, Canning, Drying, Market. NCS.** Introduced by Stark Bro's.

***Late Elberta** *Late Yellow Freestone.* Best sort between Hale and Krummel. Looks just exactly like Elberta, but ripens 2 weeks after it. Better flavor. One of the **best shippers,** comes on market when yellow peaches bring top prices. Tree satisfactory in growth, bearing, and hardiness. Be sure to **get the genuine** from Stark Bro's. It has been one of our most satisfactory varieties. Late peaches are profitable. 14 days after Elberta. **Cooking, Eating, Canning, Market. NCS.** Introduced by Stark Bro's.

***October Elberta** *Late Yellow Freestone.* An Elberta in size, color and quality, that ripens 43 days later. Both tree and fruit are satisfactory in every way. It comes in just ahead of Krummel October and sells well, as large, late yellow peaches are always in demand. 43 days after Elberta. **Eating, Canning, Market. NCS.** Introduced by Stark Bro's.

***Stark Heath Cling** *Very Late White.* Best strain of the well-known White Heath. Fruit tender, melting, juicy, luscious, firm, does not bruise easily and ships well. Tree good grower, hardy. 40 days after Elberta. **Cooking, Eating, Market. NCS.** Introduced by Stark Bro's.

***Mammoth Heath Cling** *Very Late White.* A large red blushed, creamy white cling peach that has long been popular for canning and preserving—a favorite with housewives all over America. 35 days after Elberta. **Cooking, Eating, Market. NCS.** Introduced by Stark Bro's.

***Golden Sweet Cling** *Mid-Season. Yellow.* One of the juciest, sweetest, most delicious clingstones. Originated in Arkansas. In our orchards is hardy, tree bears heavily, fruit immense size, and one of the handsomest in the orchard. 4 days after Elberta. **Eating, Cooking, Market. NCS.** Introduced by Stark Bro's.

***Salway, Holsinger** *Late Yellow. Fine flavor.* Much better than old Salway—A marvelous peach. **Eating, Canning, Market. NCS.** Int. by Stark Bro's.

Sea Eagle Improved *Latest White Freestone.* A white peach of great beauty and enormous size. Hardy. **Cooking, Eating, Market. NCS.**

***Superb Apricot** *Early Summer.* A hardy Russian Apricot that originated in Kansas and largely planted throughout the Central West. The tree is thrifty and hardy. **Eating, Cooking, Canning, Drying. NCS.**

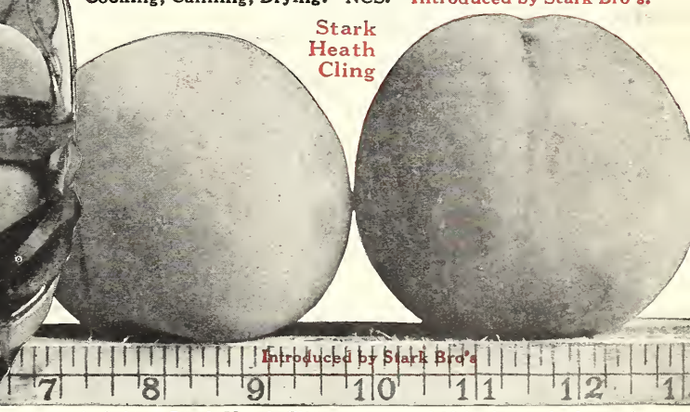
***Stella Apricot** *Early Summer.* An improved hardy Russian variety originating in Nebraska. Unsurpassed for productiveness. The hardiest apricot. **Eating, Cooking, Canning, Drying. NCS.** Introduced by Stark Bro's.

OLD OAK PROCESS Whole Root Tree

Krummel 3-Year-Old

Basket full of great big genuine Late Elbertas.

Stark Heath Cling



4 of these Stark Heath Clings measured 13 inches—the best of all the Heath type.

Crother's Late *White Freestone.* A magnificent large, late, white-fleshed peach almost entirely overspread with deep red, ripening about 25 days after Elberta. One of the *sweetest, juiciest* and *best.* Ideal for the home orchard. Vigorous, Hardy. *Cooking. Eating. Market. NCS.*

STARK TREES BEAR FRUIT

Budding Millions of Peach, Stark Nursery

Looking Eastward; City of Louisiana, Mo., in the Distance

Hundreds of Stark expert budders and tyers specially trained for this work. They yearly bud millions of Apple, Peach, Pear, Plum, Cherry, Quince, Apricot, etc. **Stark Tree Buyers Benefit**—by Growing Millions we Re-

STARK TREES

AMERICA
MAMMOTH GOLD
"BIG MACKEY"
STARK DAMSON
EARLY GOLD
(Shiro)
OMAHA
STARK GREEN GAGE

LARGE
GERMAN PRUNE
POOLE PRIDE
INDIAN
BLOOD
DUARTE
INDIAN BLOOD (Duar
(Northern Grow
GOLD
(Trade Mark
LATE
GOOSE
SHROPSHIRE
SANTA
ROSA
WILD GOO
IMPROVE
ABUNDANCE
TATGE
(Improved Lombard)
FREESTONE GOOSE

Stark Damson (Big Mackey), 1-2 Size. A True Freestone. The finest Damson. Has proved the best bearer; fruit largest size, best quality.

America Plums from 8-year Stark Trees. Grown by E. H. Riehl, sold for $8.00 per bushel—3 bushels per tree.

America *Very Early—Hybrid.* A full **Brother of Gold,** the Sensational $3,000.00 Plum. Same parentage—a cross between Burbank (Japanese) and Robinson (Native). From the far-reaching experimental hybridizing of 20,000,000 crossbred seedlings by the great scientist, Luther Burbank, came **two grand plums—Gold and America; it** was then plum growing received its greatest impetus. America is large, glossy coral red—**one of the most beautiful and delicious plums ever grown.** In our orchard it is the one variety that **can always be depended on for a crop.** Tree large, very vigorous, thoroughly **hardy,** bears extremely young, and bears enormous crops every year. Succeeds everywhere. **Eating, Cooking, Market. NCS.**

"America is almost phenomenally **free from rot.**"—Plums of New York. "Sturdy grower, exceptionally hardy, blooms late, scarcely ever fails a full crop; good quality and does not rot."—E. H. Riehl, Ill. Exp. Sta. "Certainly a gem; heavy bearer, practically free from disease, delicious" —J. Williams, Bristol Co., Mass. **"Uninjured by 55 degrees below zero."**—R. J. Williams, Elmside, Quebec. "Reliable as Wild Goose and twice as large."—F. M., in Rural New Yorker.

Mammoth Gold *Very Early—Hybrid.* A great big luscious, red blushed, golden plum originated by Geo. W. Endicott, Villa Ridge, Ill., and purchased by us. Fruit beautiful, **delicious and sweet** clear to the pit; resistant to rot. Tree hardy, thrifty, upright, bears young, regularly and heavily. **Eating, Cooking, Market. NCS.** **Introduced by Stark Bro's.**

Early Gold (*Shiro.*) *Very Early—Hybrid.* A pure transparent golden yellow plum —a huge honey-drop; sweet and excellent. Tree hardy and satisfactory every way in the orchard. A tree loaded with this golden fruit a wonderful sight. Another Burbank production that has made good; few plums are more satisfactory. **Eating, Cooking, Canning, Market. NCS.**

Early Gold Plum, 2-years-old (above), bearing 3 gallons fine fruit. Always bears heavily, brings top market prices.

A branch of Abundance from H. B. Fullerton, Long Island Experimental Station

Stark Damson (*Big Mackey*) *Mid-Season. European.* A True Freestone. The largest and best of all Damsons; originated in Pike Co., Mo., and known locally as Big Mackey. Deep purple, juicy, rich, small stone, fine for preserves. Tree upright, hardy, bears enormous crops, with little or no care, free from insects and diseases, and should be planted in every orchard. **Eating, Cooking, Market. NCS.** **Introduced by Stark Bro's**

Red June *Very Early—Japanese.* A dark cherry red, very showy plum, named and introduced by us nearly 30 years ago. Free from rot; does not drop. Tree healthy, hardy, a sure cropper and is a fine canning variety. Succeeds everywhere. The most satisfactory Japanese variety An ideal early plum. **NCS. Eating, Cooking, Canning, Market.** **Introduced by Stark Bro's**

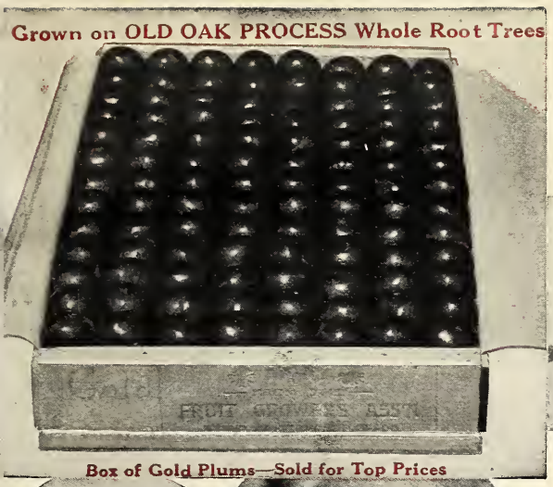
Omaha *Mid-Season—Hybrid.* Originated in Nebraska, on the grounds of a famous plum authority and experimenter —Theodore Williams—who originated many plums. He considered Omaha the best of them all, and requested us to introduce it. Omaha is vary large, almost perfectly round, dark rich red, pit small, flesh meaty, **sweet and delicious.** The tree is as sturdy and **hardy as an Oak,** rather spreading in growth, bears tremendous crops every year. It is the plum for everywhere—east, west, north, south. **Eating, Cooking, Canning, Market. NNCS.** **Introduced by Stark Bro's.**

When we introduced Omaha, Mr. Williams wrote: "No other plum in existence is so cosmopolitan as Omaha; it has fruited from Alberta (Canada) south to the Gulf; thrives in Vermont and West to the Pacific." F. L. Colby, N. H., says:—"Winter worst for 13 years; all Europeans pegged out; Omaha came through smiling, with 100% alive; **hardiest commercial plum out of 50 varieties."**

Stark Green Gage (*Missouri*) *Mid-Season. European.* All Plum lovers commend it as best of its type. Fruit large, juicy, greenish yellow, sweet, **exquisite quality.** Tree strong growing, bears immense crops regularly and is in every way satisfactory. Photo on page 55 shows cluster from original tree at Louisiana, Mo. We introduced it nearly 30 years ago. **NCS.**

Omaha Greatest Plum Creation of Theo. Williams "The Burbank of the North."

Red June



Box of Gold Plums—Sold for Top Prices

Late Goose
Best of its Type

Poole Pride

Gold
(Trade-Mark)

**Gold—Trade Mark—Our $3,000 Plum

Mid-Season

Our wonderful Gold Plum has created a greater sensation and made more friends among Plum growers than any other variety ever introduced. Luther Burbank, who originated Gold Plum, says—"The most remarkable fruit known—**the best plum ever produced.**" Fruit clear, semi-transparent, light golden yellow, later nearly overspread with a hazy carmine blush. When fully ripe a transparent light cherry red. Tree does best in chicken yards and on moderately dry thin or clay soil; rather dwarfish growing, but strong, healthy and one of the hardiest. We paid Burbank $3,000.00 for this wonderful fruit and Trade-Marked the name. Buy the **genuine Stark Gold from Stark Bro's,** the Exclusive Introducers and Owners. Succeeds everywhere—from the Atlantic to the Pacific, from the Great Lakes to the Gulf. **Eating, Cooking, Market. NCS.** **Introduced by Stark Bro's.**

"Among plums there's **nothing on earth so beautiful or good.**"—Luther Burbank. "Gold is the best plum the earth produces."—T. E. Keith, Shackelford Co., Tex. "Not a bud injured. All right even North of La-Crosse and Oshkosh."—H. Floyd, Winnebago Co., Wis. "Four-year trees have borne three crops; fully equal to your pictures. Finest plum in existence."—Major Baird, DeKalb Co., Tenn. "From one 5-year-old Gold plum, picked 81½ gallons fine plums."—E. N. Smith, Green Co., Mo. "Stands our winters like the hardiest natives."—A. N. Seymour, Dane Co., Wis. "Have two Gold plum trees, picked 130 gallons from each tree."—J. B. Broughton, New Madrid Co., Mo.

Introduced by Stark Bro's.

***Indian Blood** (*Duarte.*) *Mid-Season.* One of our Big Leaders. In our orchards **set more fruit on 2-Year-Old Trees than any other** Plum of same age. Large, egg-shaped, flesh **deep blood red clear to the seed. Quality delicious.** Trees upright, fastest growth, hardy, highly recommended. Should be planted everywhere. One of the strongest growers in our Orchards. A Plum of such **all-round merit** that it should be planted in every orchard and home garden or yard. **Eating, Cooking, Canning, Market. NCS.**

***Stark Green Gage** (*Missouri.*) *Mid-Season.* "Sweet as honey." Best of all Gage Plums. Greenish yellow, much larger than old Green Gage. Tree strong grower, **bears wonderful crops.** For preserving and canning it has no superior. The home or market orchard is not complete without it. Originated in Stark Nursery. **Cooking, Eating, Canning, Market. NCS.** See color page 52. **Introduced by Stark Bro's.**

***Late Goose** *Late.* One of the best Hardy Plums of over 100 kinds in Stark Test Orchard. Originated by Theodore Williams, of Neb. Red, resembling Wild Goose, but much larger and much more valuable. Strong grower, extremely hardy. A heavy bearer. Should be grown everywhere for home use and market. More popular than old Wild Goose because of its immense size. **Eating, Cooking, Canning, Market. NNCS.** **Introduced by Stark Bro's.**

***Freestone Goose** *Mid-Season.* An improved Wild Goose, better quality and a **perfect freestone.** Bright red, excellent quality. Tree hardy, healthy, bears well. One of the very best for Central and Northern States. **Eating, Cooking, Canning. NCS.** **Introduced by Stark Bro's.**

***Wild Goose Improved** *Mid-Season.* A very bright red deliciously sweet and juicy plum; a good shipper. Tree satisfactory everywhere—hardy, healthy, bears immense crops. Larger and more profitable than Old Wild Goose. **Introduced by Stark Bro's. Cooking, Canning, Market. NNCS.**

Below—branch of beautiful, delicious Indian Blood (Duarte) Plum—hardy, better than any other red fleshed Plum.

***Tatge** *Mid-Season.* One of the finest European plums—superior to Lombard in size, color and quality, less rot. Fruit light purplish red, large size, good quality—the ideal kitchen plum. Hardy, immensely productive, bears young. **Eating, Cooking, Canning, Market. NCS.**

***Abundance** *Early.* A large, bright cherry red, Japanese plum. Firm, sweet, excellent quality, and ships well. The tree is hardy, healthy and productive; rots less than Burbank. Should be planted in every orchard. **Eating, Cooking, Canning, Market. NCS.**

Poole Pride *Mid-Season. Never Fails.* A light crimson plum with delicate bloom; delicious for preserves and jelly. **Eating, Cooking, Canning, Market. NNCS.**

Santa Rosa *Very Early.* Produced by Luther Burbank and won Gold Medal at Lewis and Clark Exposition. Handsome, round, dark crimson plum; immense size, splendid quality. Firm flesh, strong skin, excellent shipper. Hardy, strong grower, good bearer. **Cooking, Eating, Canning, Market. NCS.**

German Prune *Mid-Season.* Ours is the largest, handsomest and best strain, excellent for dessert and preserving; large, dark blue, juicy and delicious. Tree satisfactory; widely planted. **Cooking, Canning, Drying, Market. NCS.**

Shropshire Damson *Mid-Season.* Most widely known and largely planted of all the Damsons. Trees bear enormous crops every year, require little care and should be in every garden. The ideal plum for the chicken yard. **Eating, Canning, Cooking, Market. NCS.**

"Gold is one of the most remarkable fruits known. The best plum ever produced. Two weeks later than Burbank, Keeps a month, or more. Even if picked before ripe will ripen and color up perfectly.

Stark Green Gage bears immense crops of large size deliciously sweet plums. This cluster (above) from the original tree in Stark orchards at Louisiana, Mo. Prof. Van Deman, U. S. Pomologist, said—"A great improvement on old Green Gage."

* * *

Stark Plum Nurseries (below) in the Genesee Valley of New York produce the finest plum trees grown in America. We grow them by hundreds of thousands. Note the size—and straight as arrows.

Branch of Gold Plums

Plum history records no other such splendid success as Gold has won. This is a heavily laden branch from the orchard of S. Hayden, Pike Co., Mo. The markets take these immense golden plums at highest prices.

STARK TREES

Introduced by Stark Bro's.

1
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Grow Your Own Grapes—Make Your Own Grape Juice
Have Fresh Grapes from Early Summer till Winter

Stark Grape Vines in Missouri vineyard. There are immense profits for the man who grows grapes for grape juice factories.

Stark Bro's Lake Erie—Chautauqua Grape Nurseries—America's Leading Grape Growers

Millions of Big-Rooted grape vines in immense Stark Grape Nurseries—finest grape soil in America.

64 Big Beautiful Stark's Golden Delicious—a bushel box.

A Few Grape Vines along your walk or fence give fruit, grape juice, jelly.

BIG JUICE-LADEN GRAPES

Fine For Grape Juice—Jellies—Jams—and Fresh

The grape is the easiest of all fruits to grow. The plants take little room, they thrive despite neglect and every year they produce their wealth of beautiful, health-giving fruit. With its roots in any old nook you can lead it away in any direction to provide a grateful shade for the pump, or for a restful seat, a border for a walk or climbing on the wall or house—East, West, North or South, on hill or in valley, on poor soil or rich, the grape grows, thrives, bears; it never disappoints. Plant a few vines or a large vineyard—make your own grape juice—jams, marmalade, jelly; and have plenty to eat fresh from your own vines.

****1. Stark Eclipse** (*Trade Mark.*) *Earliest Black.* The earliest of all black grapes—ripens a week to 10 days ahead of Moore Early. Best of all varieties for grape juice. Bunch and berry almost as big as Concord; handsome, compact and hangs tenaciously to the vine. The **highest quality early grape**; rich, sweet and melting, does not crack in wet weather nor scatter from the bunch. Vine healthy, hardy, vigorous grower, with exceptionally good foliage which hangs longer than almost any other variety. It originated on the grounds of Mr. E. A. Riehl, Ill. Exp. Sta., Alton, Ill., a nationally known authority on grapes. We introduced the variety after exhaustive tests and it **has never disappointed** us. After fruiting the variety for a number of years, Mr. Geo. W. Endicott, famous Ill. Horticultural Authority, wrote us: "Eclipse is the **best early grape that has been produced in this country** so far as I have been able to learn from 50 years' experience and testing more than 150 varieties." Ohio State Exp. Sta. finds Eclipse to be the **ideal grape for making grape juice** and they have issued a report on this subject. It is the greatest Early Grape. **NCS.** Introduced by Stark Bro's.

Lucile—a Splendid Quality Red Grape—Almost Equal to Stark Delicious. Very prolific and produces Large Handsome Bunches.

* * *

Stark Eclipse Bears Heavy and is "Sweet as Sugar."

Extremely Early Grapes Pay. Top prices are paid for fruit which is put on the market just a few days in advance of the ripening of the general crop. This is a great advantage Eclipse has—it is very early and **brings top market prices.** It is very often the case that early varieties of fruit are not quite so good in quality as the varieties which come later. In this, Eclipse is an exception. Early as it is, it gets its remarkably pleasant flavor just as soon as it is colored and is much **sweeter and of better quality** than other black grapes, such as Concord and Moore Early.

At N. Y. Exp. Sta. "Vines of Eclipse have fruited at this station for several years. Eclipse is very similar to Concord, differing chiefly in earliness and in a **higher degree of quality.** The vines make a most satisfactory growth, appear to be hardy, healthy and productive."—O. M. Taylor, Foreman in Horticulture, New York Experiment Station.

Best Early Grape to Date. "The foliage of Eclipse is equal to Concord or any other grape grown, a week earlier than Moore's Early, quality first-class; in fact, the **best early grape** up to date. Every one of the growers around here who have tested Eclipse agree that it is a first-class early grape."—Fred B. Lewis, Chautauqua County Grape Grower.

2. Green Mountain *Early White.* A greenish white grape that is sweet and excellent. The bunch is small and compact, the vine hardy and vigorous. Especially recommended for home arbor. **NCS.**

***3. Campbells Early** *Early Black.* A black early grape of great size that ripens about two weeks ahead of Concord, but the ripening season is variable, ripening through a long season, and is generally marketable slightly earlier than Worden. Keeps and ships well. Quality is excellent—not foxy, somewhat vinous, nearly sweet. Vine vigorous, productive, hardy with thick mildew-resisting foliage. Known and grown throughout the grape regions of the United States. Compared to Moore Early it averages larger but is hardly as valuable commercially. However, this magnificent grape should be in every home collection, and planted moderately in all commercial vineyards. **NCS.**

***4. Moore Early** *Early Black.* A black grape similar to Concord in appearance and quality, but ripens two weeks earlier and is the leading standard black grape of its season. Bunch and berry large, quality good. Vine healthy, vigorous, hardy, **heavy bearer.** It is extensively planted, and **succeeds everywhere.** Great vineyards of Moore Early have been planted for the production of grape juice. It and Eclipse are ideal for this purpose. **NCS.**

***5. Lutie** *Mid-Season Red.* A rich red grape that is good everywhere and under all conditions. Vine vigorous, heavy bearer; fruit delicious in quality and seldom rots. E. A. Riehl, Ill. authority, says: "Bears full crops when others fail; one of the most profitable varieties I have ever grown. Don't hesitate on Lutie." We consider it one of the most dependable red grapes. **NCS.**

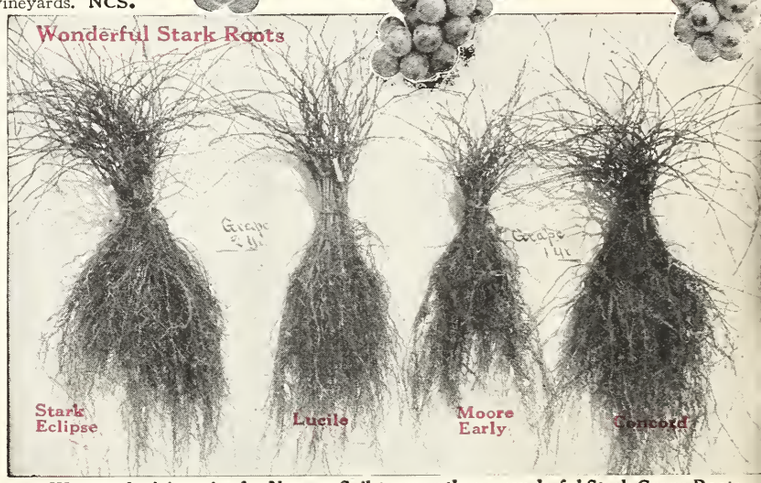
***6. Lucile** *Early Red.* A dark red grape, medium to large berry and bunch, excellent quality, keeps well and ships well. In vigor, health, hardiness, productiveness, it is surpassed by no other variety, and it is practically immune to fungous diseases. It is one of the most beautiful hardy grapes and it sells at high prices. Should be in every home vineyard. **NCS.**

***7. Diamond** (*Moore's Diamond.*) *Early White.* We recommend Diamond as the best quality hardy white grape. Berry and bunch large. Vine hardy and as dependable as Concord. "The Grapes of New York," greatest work on grapes ever published, says: "When to its desirable fruit characteristics are added earliness, hardiness, productiveness and vigor, it is **surpassed by no other green grape.**" In our experience more dependable than Niagara. **NCS.**

Numbers in front of Name refer to Grape Pictures, Page 56

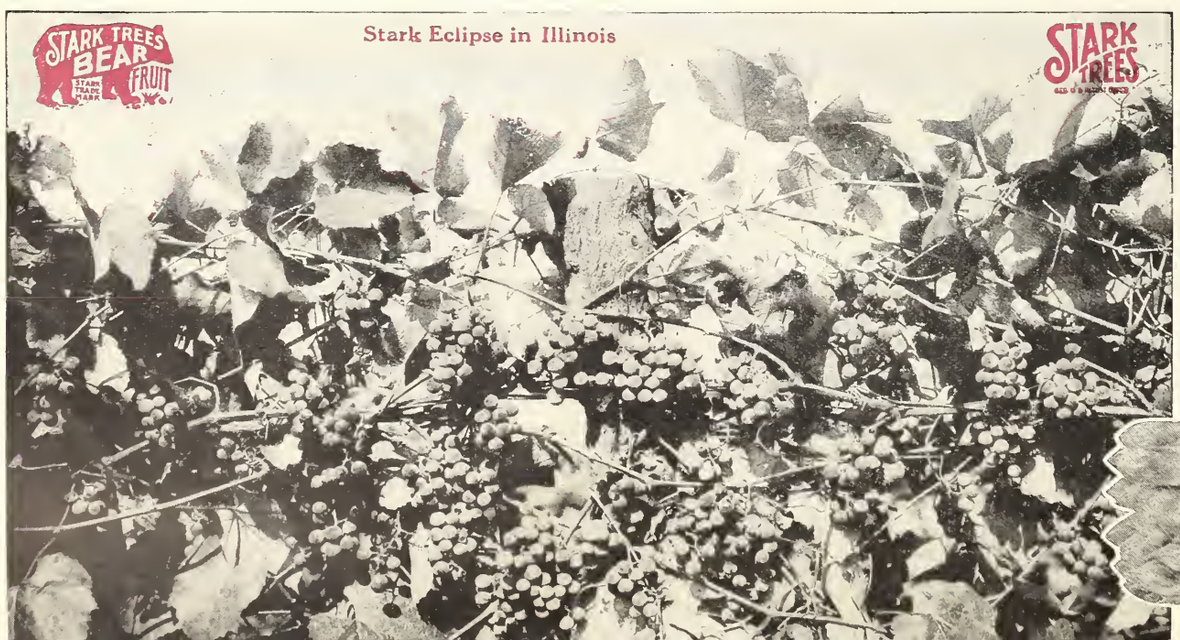
Stark Eclipse—Portion of Heavily Loaded Vine in E. A. Riehl's vineyard, Alton, Ill. No early black grape compares to Stark Eclipse for home or market; or Grape Juice.

Wonderful Stark Roots



We searched America for Nursery Soil to grow these wonderful Stark Grape Roots

Stark Eclipse in Illinois

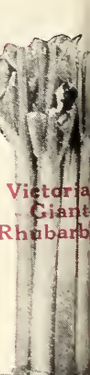


Asparagus, Rhubarb

Asparagus lives year after year without replanting. A 50-ft. row should be planted in every garden. We grow and offer several varieties, but recommend especially **Conover's Colossal** as most satisfactory. Large, early, tender.

Rhubarb (*Pieplant*) grows successfully everywhere and should be more largely grown. Beds will last for years without renewing. We recommend **Victoria Giant** as best of all.

Horseradish is easily grown, but is found in too few gardens. Should not be overlooked.



GREAT STARK GRAPE NURSERIES

Photo to left—one of our great grape Nurseries. Selected for us as finest Grape Root soil in America, by Prof. Craig, N. Y. Agr. College.

Bunch of Stark Delicious Grapes

E. A. Riehl, Originator of Stark Eclipse and Stark Delicious.

*Stark Delicious

Greatest of All Red Grapes in the U. S. A.

Until we introduced Stark Delicious there was no red grape of real fine quality that had also a healthy, productive vine. Quality alone will not make a grape popular with growers. It must be produced in sufficient quantity to get the public acquainted with it, as with Concord. Stark Delicious has become so popular that we have never been able to grow enough to supply the demand. Its color is so attractive and quality so delicious that it brings top prices on the market. Of all grapes we have tested, Stark Delicious is the most beautiful, and in quality, no other grape can compare with it, except Goethe and Delaware. Goethe vine is unsatisfactory, and Delaware is small and difficult to grow. From every standpoint Stark Delicious is supreme—the most wonderful red grape grown. It is **delightfully sweet and rich;** bunches large, heavily shouldered and makes a wonderful appearance on the market. It is a splendid shipper. It ripens in Missouri and Illinois in early September, at just the right time for the markets. For grape juice it is ideal, making a beautiful champagne colored juice with a flavor obtainable from no other grape. In our vineyards and nurseries it is the youngest bearer. Many grafts bear 2 or 3 good big bunches the same season they are set in the Nursery. It is splendidly hardy, healthy, and has luxuriant foliage that hangs very late. It is a heavy pollen producer and is self fertile; it does not need any other variety to make it bear. **NCS. Eating, Jelly, Grape Juice, Market. Introduced by Stark Bro's.**

Hon. Geo. W Endicott, famous Illinois orchardist, Villa Ridge, Ill., said:—"Stark Delicious grapes are hardy both in wood and bud, and are good growers. It is the best variety to pollenate self sterile sorts." Jos. Gerardi, Jerseyville, Ill., says:—"Made the best showing of any grape here. Beautiful bright red. Bunches large, well shouldered. Flavor excellent. Resistant to disease. Wonderfully prolific. Splendid shipper."

Historical—Originated by Hon. E. A. Riehl, the great plant producer of Alton, Ill., who says:—"A grandchild of Niagara. Grown from the same lot of seed that produced the splendid Stark Eclipse. Bright, attractive red and of best quality and large bunch. A healthy vine, abundantly productive; ripens about with Catawba."

"It is truly worthy of the name 'Delicious.' It will be a great benefit to the Horticultural world."—G. B. Brackett, U. S. Pomologist.

650 Acres Stark Trees only 6 years old. Part of Enschede's quarter million Stark Trees

J. M. Enschede, educated in Hort. in Holland and France, planted over a quarter million Stark Trees. He says:—"Stark trees make the finest orchards—ideal in root and top."

***4. Hicks** Most valuable black grape. Larger and better than Concord. Concord type, but a better grower and a heavier bearer. Especially featured and highly recommended by N. Y. Exp. Station. A grape of great value. Commercially introduced by Stark Bro's. **NCS. Eating, Jelly, Grape Juice, Market. Introduced by Stark Bro's.**

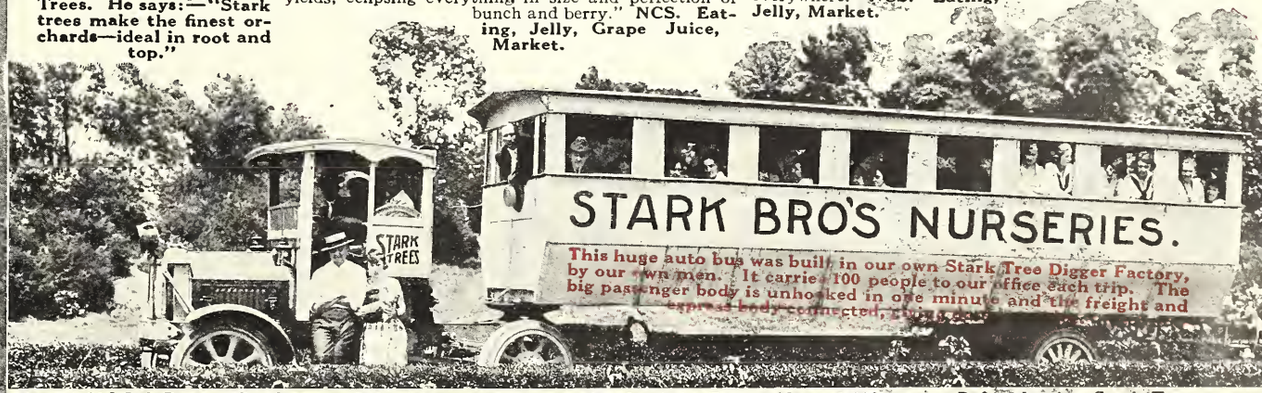
***2. Wallis Giant** A remarkable new Giant Concord originated by Hon. Henry Wallis, Wellston, Mo. Has been carefully tested for years and is the best of all the extra large grapes. Almost double the size of Concord. Very high quality; sweet, juicy and delicious. **NCS. Eating, Jelly, Grape Juice, Market. Introduced by Stark Bro's.**

1. Brighton Bright red, heavily shouldered; large bunch; one of the sweetest and most delicious. Known everywhere. Ripens before Worden. It adapts itself to most any soil, is always productive; a good strong growing, hardy vine, should be planted with other sorts for pollenization. Diamond, Worden and Delicious are ideal for this purpose. **NCS. Eating, Jelly, Market.**

***5. Concord** The most widely grown, most popular of all grapes, and is making money for vineyardists everywhere. Healthy, hardy, vigorous vine, large bunch and berry and will produce more fruit year in and year out than any other sort, except Hicks. Stark Delicious and Stark Eclipse are better. **NCS. Eating, Jelly, Grape Juice, Market.**

***3. Worden** Splendid black grape. Hardy, healthy, productive like Concord. Larger, better quality, 10 days earlier. Large bunch and berry, excellent quality. Mr. Fullerton, L. I., N. Y., Exp. Sta., writes:—"Worden positively paralyzed us with its yields, eclipsing everything in size and perfection of bunch and berry." **NCS. Eating, Jelly, Grape Juice, Market.**

***7. Niagara** Best known white grape. Famed as "Grand Father" of Stark Delicious. Ranks with old reliable Concord in vigor and productiveness. Widely planted. Bunch large; handsome, juicy and a fine flavor. The white grape for the millions. We recommend it for commercial plantings everywhere. **NCS. Eating, Jelly, Market.**



62,425 Old Oak Process Stark Trees (Below) in the greatest orchards of the East. About 2,000 acres. Before buying Stark Trees, the Seabrook Orchard Manager visited all the leading Nurseries. He inspected our famous apple Nurseries in the Ozarks and said: "Those are the trees I want. Nothing I have seen anywhere can compare with them." Later: "Have hardly lost a tree."

Over 60,000 OLD OAK PROCESS, Whole Root Trees

Stark's Golden Delicious Sold ONLY by Stark Bro's

© STARK BRO'S NURSERIES 1932

11 TULIP TREE BLOSSOM
10 TULIP TREE
13 HONEYSUCKLE HALL'S
6 MAPLE NORWAY
14 HONEYSUCKLE TRUMPET
1 BIRCH EUROPEAN WH
3 ELM AMERICAN WHITE
7 MAPLE SUGAR OR HARD
15 IVY AMERICAN
8 RUSSIAN OLIVE (ELEAGNUS)
2 CRAB PARKMANNI (BLOSSOM AT RIGHT)
9 SYCAMORE EUROPEAN
17 WISTERIA CHINESE
12 CLEMATIS "JACKMANNI"
16 IVY BOSTON
5 LOCUST MOSS (ROSE ACACIA)
4 LINDEN AMERICAN

62 See Page 60

QUICK GROWING TREES

"The kindliest thing God ever made, His hand of very healing laid upon a fevered world, is shade."—Theodosia Garrison

1. Ash, American White (*Fraxinus Americana.*) A symmetrical tree of rapid growth and long life. Large, divided, glossy green leaves. Valuable for park, lawn or avenue planting.

2. Birch **Cut-Leaf Weeping White** (*Betula Alba Laciniata Pendula*). Graceful weeping tree with finely cut, fern-like foliage, slender, drooping branches. The white bark is attractive throughout the year.

3. Catalpa Bungeii **or Umbrella Catalpa.** Large foliage and compact, round head. Dwarf, usually about 6 to 8 ft. in height.

4. Maple, Ash Leaf **or Box Elder** (*Acer Negundo*). A rapid growing tree. Succeeds in extreme cold or drouth. Valuable for lawn, street or windbreak plantings.

***5. Maple, Silver Leaf** **or Soft** (*Acer Dasycarpum*). A large, spreading tree, extremely rapid grower. Hardy and thrives in all soils. This magnificent tree properly handled is one of the best of all-purpose shade trees. Should not be severely pruned or headed back, but be allowed to grow naturally. Valuable for street, lawn, or park planting.

6. Mulberry, Teas Weeping (*Morus Alba Pendula.*) Graceful weeping tree, six to eight feet high. Deep green foliage. Very popular for lawn planting.

***7. Poplar, Carolina** (*Populus Deltoides.*) A tree of exceedingly rapid growth. Bright green foliage. For extremely quick effect this tree is the best one grown. Succeeds everywhere. Often planted in between the slower growing trees and cut out when the others attain sufficient size. Used for screens, windbreaks, street and lawn.

***8. Poplar, Lombardy** (*Populus Nigra, Var. italica.*) A picturesque, rapid-growing Italian tree of slender, upright habit. Height often exceeds 100 feet. Excellent to break the skyline in massed plantings. Used as a tall screen, in groups, or to line driveways.

9. Willow, Weeping (*Salix Babylonica.*) Large, hardy tree with long, slender, drooping, olive green branches. Especially adapted for planting near water. Suitable for lawn, park or cemetery plantings.

Ibota Privet, hardy.

Hedges—Living Fences

See Page 60

***10. Barberry, Japanese** (*Berberis Thunbergii.*) Best and hardiest dwarf shrub and hedge. Attractive in every season of the year. Foliage small, bright green, turning to bright crimson and orange in autumn, which together with red berries that hang on all winter, makes this one of the most popular shrubs. As a hedge it satisfactorily stands repeated shearing. Small thorns give it protective value.

***11. Privet, Amoor River** **Hardy Northern Type** (*Ligustrum Amurense*). Upright, dense growth with shiny foliage, white flowers followed by black berries. Hardy enough for the north. From all standpoints we consider it the best privet. Also valuable in the shrub border.

12. Privet, California (*Ligustrum Ovalifolium.*) Well known hedge plant, glossy green foliage. Easily pruned to any shape. Not as hardy as Amoor River (North) Privet.

13. Japanese Rose Hedge (*Rosa Rugosa.*) A beautiful bush with dark green crinkled foliage; large red or white flowers. Blooms until late fall. Large red seed pods appear in mid-summer and last until winter. Makes a splendid hedge.

***14. Spirea Van Houttei** Often called Bridal Wreath. A shrub of medium height with a great profusion of white flowers in May or June. Splendid for foundation plantings, at entrances or as specimen plants. Succeeds everywhere—the one best and most popular shrub for all purposes.

15. Weigela Eva Rathke (*Red Flowering Weigela.*) A shrub to 4 ft. with clusters of large, brilliant, carmine-red flowers on erect branches in spring and autumn. An attractive border plant. The best and most popular of all hybrids of this genus.

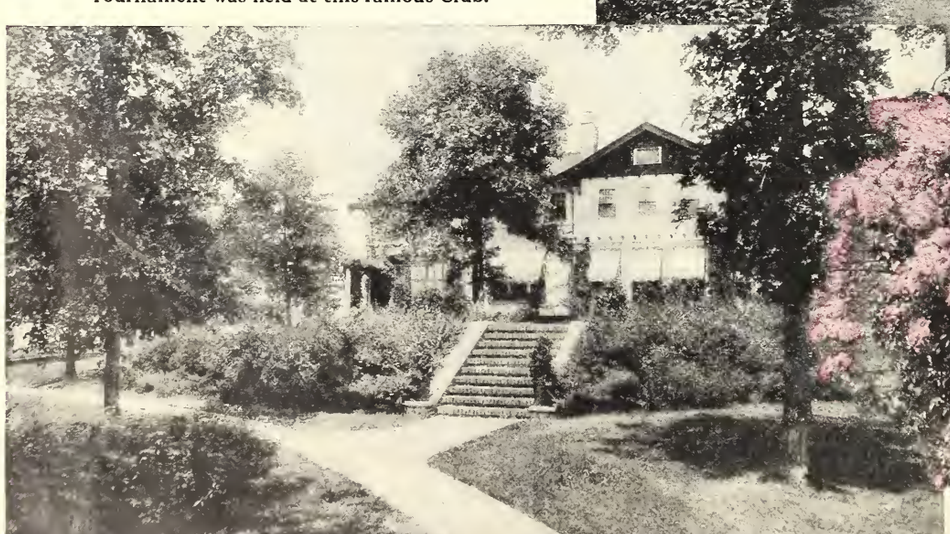
16. White Kerria (*Rhodotypus Kerrioides.*) From Japan. Large, single white flowers, followed by showy black fruits. Blooms in May and continues over a long season. Succeeds under all soil conditions and in shade.

17. Hibiscus **Rose of Sharon or Althea.** Large flowers, three inches across. A large variety of colors can be secured. Blooms in August and September when flowers are scarce.

America's Leading Ornamental Nursery. All Stock Carefully Trained.

Hydrangeas in Stark Nurseries. Large Quantity, High Quality Production.

(To Right)—Magical result only three months after planting at Inverness Golf Club. Stark Bro's furnished landscape plans and stock for this planting. The International Golf Tournament was held at this famous Club.



Just two years after planting Stark Stock. Plan designed by Stark Bro's Landscape Architects, for Shoemaker residence, St. Louis, Mo. You, too, can profit from the co-operation of our staff of graduate landscape architects.

Dorothy Perkins Climbing Rose. Grows 10 to 15 feet in a season. Splendid for pergolas, porches, tree stumps, fences, embankments, etc.

See Page 61

Shade Trees

Moderately Fast Growers

1. Birch European, White (*Betula Alba.*) Rapid growing, graceful; slightly drooping branches, small glossy green leaves; picturesque snow-white bark beautiful during all seasons of the year. Comparatively rapid grower. Very effective planted as lawn tree or in clumps among trees of darker green. This tree is the birch made famous in poetry and literature.

2. Crab, Parkmanni (*Pyrus Parkmanni.*) Dwarf Japanese tree with profusion of fragrant rose-colored flowers 1½ inches across, blooming in spring, valuable as cut flowers. Very attractive when planted in groups, as specimens, or in border plantings of shrubs.

***3. Elm, American White** (*Ulmus Americana.*) The grandest and most satisfactory of all shade trees—cannot be recommended too highly. Rapid grower, succeeds everywhere. Grows in a tall vase-like form with graceful spreading and drooping branches. Easily transplanted and rapidly develops into a shade tree that is particularly adapted to lawn and avenue plantings. Unexcelled for planting for shade near buildings as its lofty branches permit air to circulate and grass to grow underneath. Most of the famous old trees of American history have been elms. Its deserved popularity increases yearly.

4. Linden, American (*Tilia Americana.*) A large native tree of rapid growth. Fragrant, creamy-white flowers in July. A honey bee favorite. Succeeds in wide variety of soils. This upright, stately tree has bright green heart-shaped foliage and is particularly adapted for lawn or street plantings.

5. Locust, Moss *Rose Acacia* (*Robinia Hispida Rosea*). Tall shrub or dwarf tree with great drooping clusters of rose colored flowers, size and shape of sweet peas, blooming in May. Unusually attractive when planted in clumps on the lawn.

***6. Maple, Norway** (*Acer Platanoides.*) Beautiful, round headed, compact tree of fairly rapid growth. Yellow flowers in early spring. Rich dark green foliage which turns to clear golden yellow in the fall. Because of its great number of superior qualities and its symmetrical appearance, it has become one of the popular trees for avenue, lawn or park. Sturdy, strong branches require no pruning. This long lived tree has been rightly called the best of all the maples.

7. Maple, Sugar or Hard (*Acer Saccharum.*) A tall native tree of moderate growth and long life—valuable for sugar production. Bright green foliage changing to a magnificent golden yellow, orange and scarlet in autumn. Adapted to home grounds, avenues or parks.

8. Russian Olive *Or Silver Leaf Oleaster* (*Eleaegnus Angustifolia*). A tall shrub or small tree. Golden yellow, fragrant flowers blooming in June, followed by silver berries. Picturesque effect of silver-gray foliage, very handsome when planted in connection with darker green trees and shrubs. Very quick grower, particularly adapted for quick screens, hedges, or as background for lower shrubs.

***9. Sycamore, European** *Or Plane Tree* (*Platanus Orientalis*). A splendid, rapid growing, upright tree, one of the best for street plantings. Succeeds everywhere, particularly free from insects and will stand the smoke and dust of cities better than any other tree. Easily transplanted.

10 and 11. Tulip Tree (*Liriodendron Tulipifera.*) Rapid growing symmetrical tree with glossy foliage and large tulip shaped yellow flowers with orange colored centers in spring. Splendid for parks, lawns or avenues.

CLIMBING VINES

12. Clematis Jackmanni Profusion of large violet purple flowers 4 inches wide. blooms from July until frost.

***13. Honeysuckle, Hall's** (*Lonicera Halliana.*) Most popular climbing vine. Delicious fragrance, profusion of white and yellow blossoms beginning in spring and lasting until frost. Adapted for many purposes and a general favorite everywhere. The beautiful green foliage often stays green until mid-winter and is practically evergreen in the South. Well adapted for covering trellises, porches, fences, steep clay banks and has a wide variety of other uses.

14. Honeysuckle, Scarlet Trumpet (*Lonicera Sempervirens.*) A profuse bloomer of large, brilliant colored flowers from June to September. Bright berries borne in clusters.

***15. Ivy, American, or Virginia Creeper** (*Ampelopsis Quinquefolia.*) Beautiful native vine often called Woodbine. Has five-parted leaves of a rich green, turning bright scarlet in fall. An extremely hardy, rapid growing, climbing vine that gives a beautiful effect when used for covering trellises, porches, fences or any place where shade or a screen is desired. Clusters of blue-black berries. We consider this the best all purpose vine. Succeeds under all conditions. For training on brick or stone buildings we recommend Engleman's Ivy. See page 67.

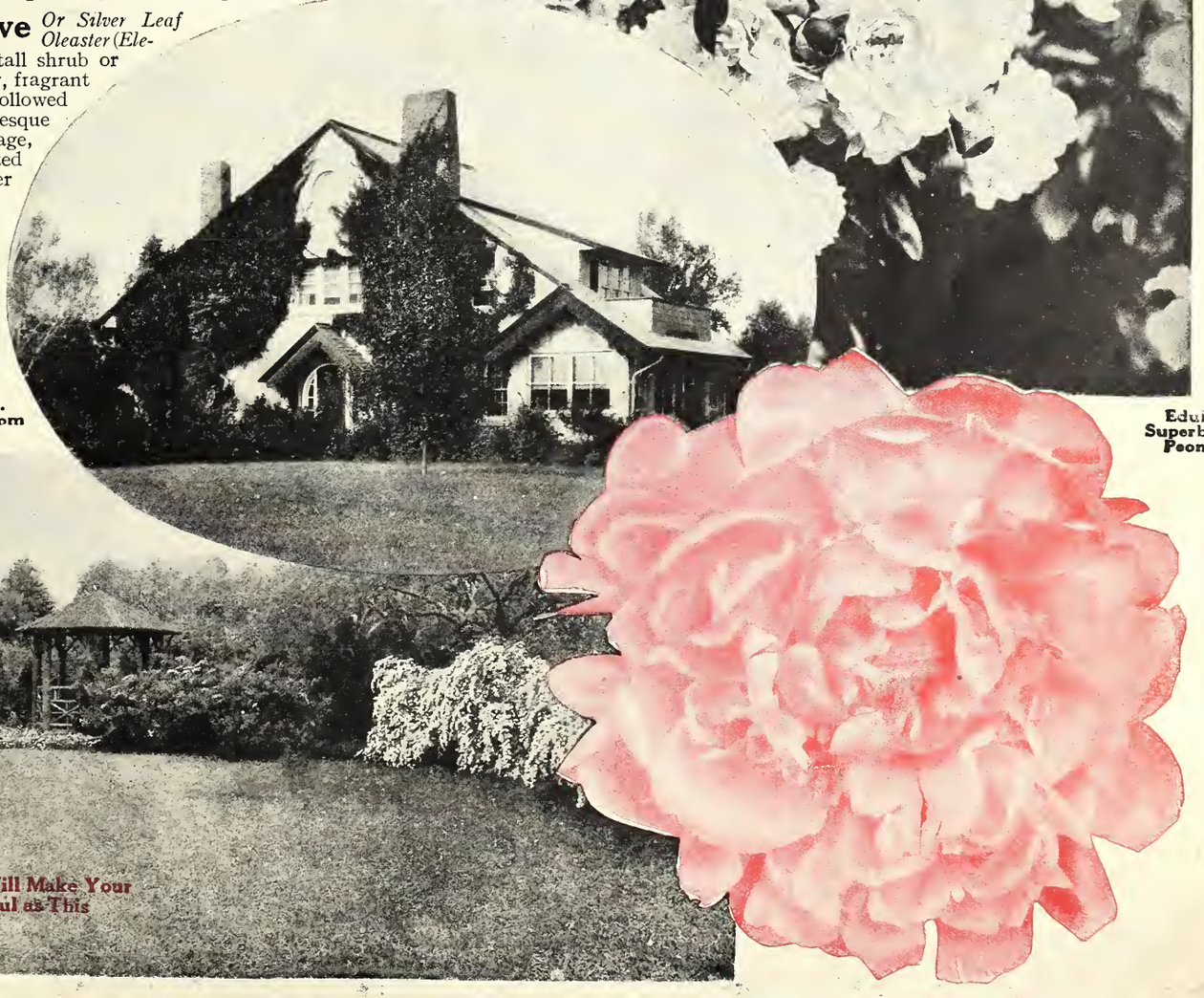
16. Ivy, Boston, or Jap Ivy (*Ampelopsis Veitchii.*) Large, glossy foliage changing to bright crimson and yellow in autumn. Especially adapted for climbing on stone or brick houses, walls or other masonry work as it clings tightly. A rapid grower after it is established.

***17. Wisteria, Chinese** (*Wisteria Chinensis.*) Beautiful, fragrant light purple pea-shaped flowers, clusters often a foot long, blooms in May. Extremely hardy, rapid grower and succeeds everywhere. Especially adapted for and quickly covers trellises, arbors, old trees or any other location where a beautiful foliage screen is desired.

WISTERIA CHINENSIS

Hydrangea Paniculata Grandiflora

Eugene Verdier Peony



Edulis Superba Peony

To right, a well-planted small home grounds, showing broad expanse of lawn. Boston Ivy on house.

Below, Back yard planting. A pleasing out-door living room at little cost.

Stark Ornamentals Will Make Your Back Yard as Beautiful as This

13 SPIREA BILLARDI
14 SPIREA THUNBERGII
6 DEUTZIA ROSE FLOWERING
0 JAPANESE ROSE (ROSA RUGOSA)
15 SPIREA VAN HOUTEI (BRIDAL WREATH)
18 YUCCA (ADAM'S NEEDLE)
1 MOCK ORANGE LEMOINE'S DWARF
2 BUTTERFLY BUSH (BUDDLEIA)
8 HYDRANGEA EVER-BLOOMING (HYDRANGEA ARBOR STERILIS
12 SPIREA ANTHONY WATERER
7 GOLDEN BELL (FORSYTHIA)
9 HYDRANGEA LARGE FLOWERING (HYDRANGEA P. G.)
4 DEUTZIA LEMONEI
5 DEUTZIA PRIDE OF ROCHESTER
16 SNOWBERRY (SYMPHORICARPUS)
3 DEUTZIA GRACILIS
1 ALMOND DOUBLE FLOWERING
17 WHITE KERRIA (RHODOTYPUS)

7 HONEYSUCKLE TARTARIAN BUSH
8 THOUSAND BEAUTIES ROSE
9 LILAC PERSIAN
12 PUSSY WILLOW
13 RED BUD (JUDAS TREE) (CERCIS)
15 WAYFARING TREE (VIBURNUM LANTANA)
10 MOCK ORANGE (SYRINGA) (PHILADELPHUS)
11 MOCK ORANGE (SYRINGA)
1 ANGELICA TREE (ARALIA)
16 WEIGELA ROSEA (DIERVILLA)
8 LILAC PRESIDENT GREVY
5 HIBISCUS ROSE FLOWERING (ALTHEA)
17 ROSE WEIGELA
6 HIGH BUSH CRANBERRY (VIBURNUM OPULUS)
2 CAROLINA ALLSPICE (CALYCANTHUS)
3 DOGWOOD RED STEMMED (CORNUS ALBA)
4 HIBISCUS (ROSE OF SHARON)
14 SNOWBALL (VIBURNUM)
ENGELMAN'S IVY ON HOU

See Page 64

Shrubs of Low or Medium Height

1. Flowering Almond or Rose Tree of China (*Prunus Triloba*). Valuable for extremely early bloom which appear before the leaves, literally covering the entire plant.

2. Butterfly Bush (*Buddleia Davidii Magnifica.*) Medium size shrub. Clusters of lilac-colored flowers, 5 or 6 inches long, attract butterflies in large numbers. Often winter kills, but roots are hardy. Blooms from early summer until frost.

***3. Deutzia Gracilis** In May fragrant, white flowers nearly hide the bush. One of the best dwarf shrubs for planting in front of taller shrubs. Useful around verandas and entrance ways.

4. Deutzia Lemoinei Very hardy. Great profusion of white flowers borne in May. Valuable for planting in front of higher shrubs.

5. Deutzia Scabra "Pride of Rochester." One of the earliest flowering Deutzias. Flowers in May, white, tinged with pink. Grows to five feet in height.

6. Deutzia Gracilis Rosea Same habit as Deutzia Gracilis, but rose-colored flowers.

7. Golden Bell (*Forsythia Suspensa.*) A graceful, drooping shrub, extremely valuable for its great masses of yellow bloom in April. First shrub to bloom. Its drooping branches give a very beautiful effect when planted on arbors, walls, steep banks, etc. Hardy, vigorous, and retains foliage late in the fall.

***8. Hydrangea, Everblooming or "Hills of Snow"** (*Hydrangea Arborescens Grandiflora*). One of the most popular shrubs grown. Enormous, beautiful white blooms throughout the entire summer. Can be planted in front of taller shrubs or around entrance ways, foundations, etc. Blooms often five inches across, resembling the old-fashioned Snowball. These striking flowers are borne in profusion and are valuable for cutting. A new American shrub that fulfills a long-felt want.

***9. Hydrangea, Large Flowering Hardy** (*Hydrangea Paniculata Grandiflora.*) A magnificent shrub, bearing great numbers of cone-shaped clusters of white flowers, often 10 inches long, in July and August, later turn a bright pink. One of the most conspicuous and showy shrubs. Can be planted as specimens, in shrub borders or around the house. One of the most popular shrubs.

10. Japanese Rose (*Rosa Rugosa.*) Large flowers, three inches across, red or white, followed by large bright red berries. Valuable for lawn and park plantings. Also used as a hedge.

11. Mock Orange (*Philadelphus Lemoinei.*) A sweet-scented dwarf form of Syringa. Beautiful, creamy white flowers with yellow centers in June, entirely covering the plant. Adapted for planting in front of taller shrubs. Hardy.

12. Spirea Anthony Waterer A beautiful dwarf shrub producing large crimson flowers, 3 inches across. Blooms all summer and late into the fall. Valuable for shrub clumps or individual specimens. Hardy.

***13. Spirea Billardi** Upright shrub with large plumy spikes of flowers about six inches long, appearing from July until fall. Beautiful in shrub border or as specimens. Useful for cutting. Succeeds under varied conditions, even in dry places.

14. Spirea Thunbergii Dwarf shrub, beautiful at all seasons of the year. Blooms in early spring before the leaves appear. Its small, light green leaves and slender, spreading branches are most attractive.

***15. Spirea Van Houttei** (**Bridal Wreath.**) The one best shrub. Early in May the branches of the entire bush are arched to the ground under the load of white flowers. Splendid foliage hangs on until late fall. Extremely hardy and vigorous. Succeeds everywhere. For entrance ways, foundations and border plantings.

***16. Snowberry** (*Symphoricarpus Racemosus.*) A dwarf shrub with small foliage and small pink flowers in June, followed by great clusters of large white berries that hang on until winter. Very effective for planting in front of tall shrubs.

17. White Kerria (*Rhodotypus Kerrioides.*) Crinkly foliage, large white flowers, 1½ inches across, followed by shiny black berries that hang on through the winter. One of the best dwarf shrubs.

18. Yucca *or Adam's Needle* (*Yucca Filamentosa*). Hardy plant with broad pointed, sword shaped foliage and creamy white flowers thickly set on tall stems.

An out-door living room like this can be created in any back yard at small cost by properly arranged shrubs and trees. A safe, peaceful place for all the family, particularly the children.

Hibiscus or Althea. Profusion of bloom, all colors, late summer and fall.

Deutzias. Low growing shrubs covered with flowers in May.

Home of President Stark at right. Showing the beautiful Spirea Van Houttei used for foundation planting.

Stark Shrubs Grow and Bloom.

This beautiful place, St. Louis, Mo., designed by Stark Bro's.

A transformation in just 12 months resulting from Stark Landscape Plans and Stark Stock.

Tamarix Africana — Attractive Flowers. Beautiful feathery foliage.

See Page 65

Tall-Growing Flowering Shrubs

1. Angelica Tree *Five-Leaved Aralia* (*Aralia Pentaphylla*). Glossy, rich green leaves. Small yellow flowers in June. Extremely hardy, rapid grower and thrives in any soil, succeeding in dry, sandy or shady spots where most others would fail. Slender, arching branches, small thorns, splendid tall protective hedge.

2. Carolina Allspice *or Sweet Scented Shrub* (*Calycanthus Floridus*). A favorite of the old-fashioned garden, bearing chocolate colored flowers with a spicy, aromatic fragrance; large, dark green foliage. Blooms early.

***3. Dogwood, Red Stemmed** (*Cornus Alba Siberica.*) One of the very best all-purpose shrubs. White flowers in early summer; showy red twigs make it very attractive during winter. Light blue berries. This splendid shrub is a rapid grower, hardy, and makes a beautiful clump in the shrub border or when planted alone. Succeeds in shady places or in open.

***4. Hibiscus** *Althea, or Rose of Sharon* (*Hibiscus Syriacus*). Extremely valuable shrub because of great mass of bloom in August and September when there are very few other flowers. We offer a wide variety of colors, red, purple, rose and white, single and double, often 3 inches wide. A rapid grower, hardy and succeeds anywhere. Valuable in clumps on the lawn, as specimens, or flowering hedges.

5. Hibiscus *Rose Flowering.* Large blooms, often three inches across. Details above.

6. High Bush Cranberry (*Viburnum Opulus.*) Large, flat, creamy-white flowers, four inches wide, in spring followed by bright scarlet clusters of berries that hang on all winter and attract birds. Excellent for planting in clumps or singly.

***7. Honeysuckle** *Tartarian Bush* (*Lonicera Tartarica Rubra*). The bush honeysuckles are splendid shrubs for planting in shrub clumps and are very attractive with their masses of fragrant blooms which are followed by many showy red berries. Rapid growers and succeed even in shady locations.

***8. Lilac** *President Grevy* (*Syringa Vulgaris*—budded variety). Profusion of extremely large, light blue, double flowers, often ten inches long and very fragrant. Other varieties have flowers of various colors, reddish purple, white, pink, lavender, etc.

9. Lilac *Persian* (*Syringa Persica*). Great masses of fragrant, pale lavender blooms in May. Compact growth.

***10 and 11. Mock Orange** *or Syringa* (*Philadelphus Coronarius*). Great masses of sweet scented flowers in May and June. These white blossoms with their yellow centers resemble orange blossoms. Popular for lawn planting and in gardens for several generations and its deserved popularity is increasing. Extremely hardy and vigorous, it will grow in almost any location. Makes an excellent clump in the shrub border or as a high hedge. Arching branches. This old-fashioned shrub with its delightful fragrance should be included in every planting. Illustration one-half size.

12. Pussy Willow (*Salix Caprea.*) An upright shrub, useful for planting in borders or as specimens. Especially interesting in early spring with its large silky, silvery-gray buds.

13. Red Bud *or Judas Tree* (*Cercis Canadensis*). Native shrub or small tree producing a mass of rosy pink, pea-shaped flowers very early in the spring before the leaves appear. Foliage, glossy and heart shaped, turning a beautiful yellow in autumn. Thrives in shade.

***14. Snowball** *or Guelder Rose* (*Viburnum Opulus Sterilis*). Magnificent shrub almost covered with a profusion of great white flowers in May. Foliage turns rich red in fall. This valuable shrub has been popular in our grandmothers' day and is increasing in popularity every year. As an individual shrub for the lawn or in clumps, it is a magnificent sight.

14a. Ivy, Engelman's (*Ampelopsis Quinquefolia Engelmanni.*) On the house back of the illustration of Snowball is shown Engelman's Ivy. Clings tenaciously to stone or brick walls and gives a solid rich green effect. Hardy and a rapid grower.

15. Wayfaring Tree (*Viburnum Lantana.*) Upright shrub with large filmy white flowers in May followed by pink berries which later turn red, then black. Heart-shaped crinkly foliage, light green above and silvery beneath. Very hardy, rapid grower and thrives most anywhere, even in the shade. Splendid for planting in clumps, for screens or as a background for lower shrubs.

***16 and 17. Weigela Rosea** (*Diervilla Florida.*) A beautiful shrub with arching branches that are nearly hidden by great clumps of trumpet shaped, rose-colored flowers in early June. No planting is complete without clumps of this magnificent shrub that succeeds in most all soils and is a rapid grower.

18. "Thousand Beauties" Rose (*Tausendschoen.*) A rapid growing climber with great clusters of large double flowers shading from light to deep pink. Beautiful for arches, porches, etc., wherever a beautiful climbing rose is wanted.

19. Spirea, Golden (*Spirea Opulifolia Aurea*) (*Shown below*). A very showy shrub with golden-yellow tinted foliage, which, in June, bears attractive, double white flowers. It adds interesting variety to the lawn and is desirable.

Selected Shrubs

The beauty of any home, however attractive, can be made more attractive and more home-like by planting a few of the excellent things in this class of ornamentals. From a great list we have pruned and culled out the undesirables, leaving only such things as are best of their kind—things that will please you. A surprisingly small sum invested will work wonders in beautifying your home grounds.

Queen of Prairies Rose

Weigela Rosea

Golden Spirea (Spirea Opuli Aurea)

Snowball Blossom

Snowball (Viburnum Op. Ster.)

"Stark Shrubs Grow and Bloom Gloriously"

CRIMSON RAMBLER
5 KILLARNEY
3 J. L. MOCK
8 MAMAN COCHET
10 RADIANCE
6 LA FRANCE
7 MADAME CAROLINE TESTOUT
4 KAISERINE AUGUSTA VICTORIA
11 SUNBURST
13 AMERICAN PILLAR
16 DOROTHY PERKINS
1 CLOTHILDE SOUPERT (POL.)
2 HELEN GOULD
9 MRS. AARON WARD
17 DR. W. VAN FLEET
14 CLIMBING AMERICAN BEAUTY
12 WM. R. SMITH

8 MADAME PLANTIER
10 PAUL NEYRON
5 GRUSS AN TEPLITZ
6 HERMOSA
12 PRINCE CAMILLE DE ROHAN
11 PINK MOSS
13 SNOW QUEEN
2 CLIO
14 ULRICH BRUNNER
3 GENERAL JACQUEMINOT
9 MRS. JOHN LAING
1 ANNA DE DIESBACH

THE ROSE—"Queen of Flowers

The rose is the oldest cultivated flower and no garden is complete without a few of these favorite plants to furnish fragrant blossoms of all colors from sp until fall. There are thousands of varieties of roses, but we offer only those proved best in hardiness, disease-resisting qualities, bloom and vigor.

In the description of varieties we have noted the different classes with the following abbreviations—(H. P.) Hybrid Perpetual, (H. T.) Hybrid Tea, (T.) Tea, (C.) China, (P.) Polyantha. The Hybrid Perpetuals are the hardiest and strongest growing roses, blooming principally in the spring. Some of the H. P. varieties bloom also in the summer and again in the fall.

The Hybrid Teas and Teas are the everblooming varieties, and will furnish bloom from early spring until frost. The flowers are especially fine for cutting purposes and very fragrant. The H. T. are somewhat hardier than the T. However, both these classes should be slightly protected with leaves or straw in winter, particularly in the north.

Everblooming Hybrid Tea Roses

(See Page 68)

***1. Clothilde Soupert** (*Pol.*) Hardy. Continuous and vigorous bloomer. Excellent bedder.

2. Helen Gould (*H. T.*) Good bloomer and free grower. Excellent for cut flowers.

***3. J. L. Mock** (*H. T.*) Large, fragrant flowers, beautiful buds, long stems. Petals silvery inside, deep pink outside.

4. Kaiserin Augusta Victoria (*H. T.*) Excellent foliage. Fine for bedding or cutting. Free bloomer and vigorous.

5. Killarney (*H. T.*) Vigorous grower and free bloomer. Attractive pointed buds for cutting.

6. La France (*H. T.*) Abundance of fragrant flowers produced continuously. Good foliage.

***7. Madame Caroline Testout** (*H. T.*) One of the best. The official rose of the Seattle Rose Festival. Large fragrant blossoms. Free bloomer.

8. Maman Cochet (*T.*) Long pointed buds. Continual bloomer. A favorite with rose lovers.

9. Mrs. Aaron Ward (*H. T.*) Very beautiful. One of the best yellow roses.

***10. Radiance** (*H. T.*) Large size, full, fragrant blossoms produced constantly. Good for cutting.

11. Sunburst (*H. T.*) Beautiful, long pointed buds. Especially fine for cutting. An excellent forcer.

12. Wm. R. Smith (*T.*) Vigorous grower with large, fragrant, pointed buds. Constant bloomer.

Climbing Roses

(See Page 68)

13. American Pillar Blossoms nearly 3 inches across. Very vigorous and hardy. Orange color from distance.

***14. Climbing American Beauty** Like American Beauty, but a vigorous climber. Large, fragrant flowers of excellent quality. Hardy, profuse bloomer.

15. Everblooming Crimson Rambler Similar to Crimson Rambler, but has longer blooming season.

***16. Dorothy Perkins** A very hardy and vigorous grower. Dainty, pointed buds and an abundance of fragrant flowers that hide the plant. The most popular climber—excellent for porches, trellises, fences and banks.

***17. Dr. W. Van Fleet** Large pointed flowers as fine as Tea roses. Rapid grower. Excellent shiny foliage.

Hardy Hybrid Perpetual Roses

((See Page 69)

1. Anna De Diesbach (*H. P.*) Old, well-known hardy variety. Large. Free flowering.

2. Clio (*H. P.*) Vigorous grower and free bloomer. Large and attractive. Hardy.

***3. Eugene Furst** (*H. P.*) A valuable rose, velvety texture, deepest red. Large full blossoms. Good foliage. Hardy.

4. General Jacqueminot (*H. P.*) The old favorite. Thrives under all conditions. Abundance of flowers.

***5. Gruss An Teplitz** (*China.*) Continuous bloomer, fragrant. Excellent for bedding. One of the best all-purpose roses. Gives satisfaction everywhere.

6. Hermosa (*China.*) Low growing rose. Continuous bloomer. Very double, fragrant blossoms. Excellent bedder.

***7. J. B. Clark** (*H. P.*) Large attractive flowers, produced abundantly. Vigorous grower. Hardy.

8. Madame Plantier (*H. P.*) Fragrant and abundant flowers. Very hardy. Valuable Decoration Day variety.

9. Mrs. John Laing (*H. P.*) Splendid rose, large, bright, very fragrant double flowers in profusion. Hardy.

***10. Paul Neyron** (*H. P.*) Immense flowers on long stout stems. Desirable for cutting. Hardy and vigorous.

11. Pink Moss (*M.*) Moss covered buds and branches. Planted in the shrub border. Hardy.

12. Prince C. De Rohan (*H. P.*) Very dark, velvety crimson variety. Attractive full flowers.

***13. Snow Queen** (*H. P.*) The one best white. Long blooming season. Called White American Beauty. Growing in popularity every year. Very hardy and vigorous.

14. Ulrich Brunner (*H. P.*) Large, fragrant bloom on long stiff stems. Vigorous, hardy grower. Valuable.

C. F. Meyer—extremely hardy. Everblooming, fragrant.

"Stark Roses Bloom Gloriously"

Excelsa — climber, v superior to Crin Rambler.

Killarney — everblooming, fragrant, fine for cut flowers.

Paul Neyron Rose

Climbing American Beauty — free bloomer, large and fragrant. Hardy.

Snow Queen—called White American Beauty. Everblooming, hardy, vigorous—the one BEST rose.

How to Properly Plant Trees

Handling Trees on Arrival Just as soon as the trees arrive, unpack, shake out all packing material, plant at once if possible. If received during frosty weather, place them unpacked in a cool, dry cellar free from frost until weather moderates. Don't expose roots to sun, air, wind or frost.

Heeling in Trees If ground not ready when trees arrive, unpack and heel in. Select a well drained location, preferably on a ridge. Dig a trench 2 feet deep, throwing soil forward to make a sloping bank, on which the trees are laid; cut open all bundles, shake out packing material, throw a layer of soil on roots and whole length of tree, working soil in around roots. The removal of this soil forms another parallel trench in which second layer of trees may be placed. Smooth sides and dig trenches to carry off water.

Digging Tree Holes Dig holes large enough to receive the roots easily without crowding or bending. Put the rich top soil on the roots first. Trim off broken and bruised ends of roots, cutting back long slender roots.

Planting One man should hold tree in position, firming the soil while the other man throws the soil into the hole. Plant tree an inch or two deeper than in nursery row. **FIRMING THE SOIL AROUND THE ROOTS IS IMPORTANT.** After the roots are well covered, tramp and pound the soil in hard until the hole is three-fourths full, then, if dry, pour in several gallons of water. As soon as it soaks in, fill up the hole with loose soil, but do not tramp after watering. Some growers place well-rotted manure around the base of the tree after planting. This acts as a mulch and also furnishes plant food for the tree. Do not place manure in direct contact with the trunk and never put it in the hole, because it will make air pockets and cause the roots to dry out.

Pruning After Planting If planted in Fall, do not prune until Spring just before growth starts. The one-year apple should be headed back to a height of 24 to 36 inches. In pruning the two-year apple, select 3 to 5 branches and remove all others. Cut branches back from 6 to 12 inches. Pear should be pruned when planted about like apple. Peach trees when planted should be cut back 20 to 30 inches high, and limbs cut back to stubs with one or two strong buds. The method of pruning Apricot and Plum is essentially the same as the Peach, but should not be so severe. Cherry requires moderate pruning. Keep dead wood cut out. After the first year, prune only moderately. Authorities agree that many orchardists have pruned young apple trees too much in the past. See Stark Bro.'s Manual of Modern Orchard Practice for complete pruning instructions. Sent free to Stark customers.

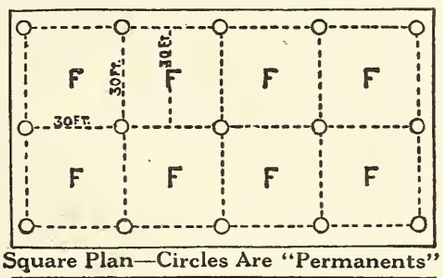
Planting Plans and Distances

When to Plant Planting season is not regulated by date or by planters' location. Trees can be successfully transplanted as long as they are dormant. Our packing and shipping assures arrival in proper planting condition. We ship successfully to both the north and south long after their Spring has opened, and trees in full leaf.

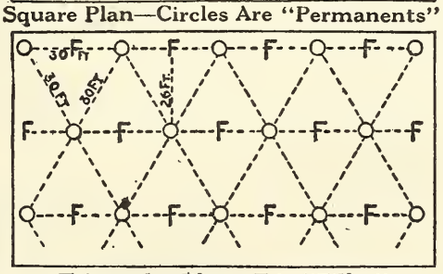
Planting Plans We show sketches of the three plans. The square plan is easy to lay out and well adapted to use of fillers. The triangular plan allows more trees to acre. In middle row, trees are opposite spaces of the adjacent rows—no unused space as in square plan. This permits successful use of fillers. **"Fillers"** are temporary trees, planted half way between **permanent** trees and cut out at about 18 years of age—when permanent trees need more room.

To find the number of trees required to an acre (either square or triangular plan), see table at right.

(Our **Manual of Orchard Practice,**—Price 25c—is sent FREE to all purchasers of $10 or more worth of Stark Trees.)



Square Plan—Circles Are "Permanents"



Triangular Plan—F is "Filler"

Preparing Land Plow under manure before planting. Plow deeply. Then, at planting time, a good thorough discing will be sufficient. Prepare just as well as for a farm crop. Some only plow strips 5 or 6 ft. wide, planting trees in strip.

Planting Distances

APPLE—24 to 40 ft. apart. We advise 40 feet as most satisfactory when fillers are used. (See ideal arrangement below.)
APRICOT—20 to 24 ft. apart.
CHERRY—(sour sorts), 16 to 20 ft.; (sweet sorts), 20 to 27 feet.
GRAPE—8 ft. apart in rows 10 ft. apart.
PEACH—16 to 20 ft. (commercial peach growers all over the country consider 20 ft. apart the best distance).
PEAR—Standard, 20 to 27 ft.; (Dwarf) 10 to 16 ft.
PLUM—15 to 20 ft. (in rich soil, Japanese plum should be planted at least 20 ft. apart).
QUINCE—10 to 16 ft. apart.
BLACK RASPBERRIES AND BLACKBERRIES—3 ft. between plants, in rows 6 to 8 ft. apart.
RED RASPBERRIES—3 ft. apart in rows 5 to 6 ft. apart.
ASPARAGUS—1 to 2 ft. apart in rows 3 to 3½ ft. apart.
MULBERRIES—22 to 28 ft. **PECANS**—35 to 40 ft.

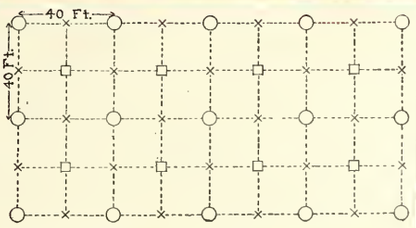
Number of Trees to An Acre

	Square Plan	Triangular Plan		Square Plan	Triangular Plan
40 ft. apart	27	31	18 ft. apart	135	155
35 ft. apart	35	40	15 ft. apart	194	223
33 ft. apart	40	46	12 ft. apart	303	349
30 ft. apart	49	56	10 ft. apart	436	502
27 ft. apart	60	69	8 ft. apart	681	783
24 ft. apart	76	88	6 ft. apart	1,210	1,392
22 ft. apart	90	104	5 ft. apart	1,743	2,005
20 ft. apart	109	125	4 ft. apart	2,725	3,134

The Ideal Filler Arrangement for Greatest Profit

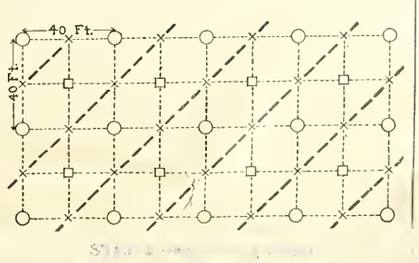
(See 4 diagrams at right) As a rule fillers need not be cut out until they reach the age of 15 to 18 years, which with many varieties, will allow time enough for 8 to 10 profitable crops. Removal of fillers is done by cutting every other **diagonal** row all the way through the orchard. (Compare diagrams. Note the heavy diagonal lines in step 2—Step 3 shows arrangement after these diagonal rows have been removed.) After this trees are left 28 feet apart, allowing them plenty of room for 10 to 12 years longer, that is until they reach the approximate age of **25 or 30 years.** This removal of fillers will change direction of rows temporarily and make it necessary to perform the various orchard operations from this standpoint. However, there will be plenty of room for spraying. The actual direction of rows will make very little difference—even being a benefit from the standpoint of preventing erosion and loss of soil.

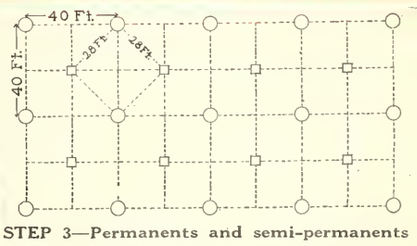
When the permanent apple trees have reached [illegible] they should be cut out, leaving the permanent trees 40 [illegible]



STEP 1—Permanents, semi-permanents and fillers

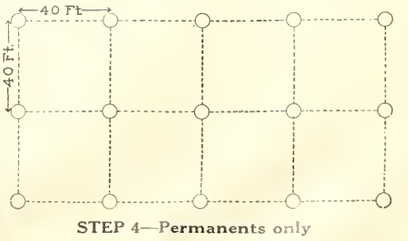
In the above diagram, O represents the permanent apple trees, X represents the fillers which may be either peach or early bearing apple trees, and squares represent semi-permanent trees which are usually apple trees. This is the first step showing permanent trees planted 40 feet apart, interplanted with double fillers in all directions—109 trees to the acre.





STEP 3—Permanents and semi-permanents

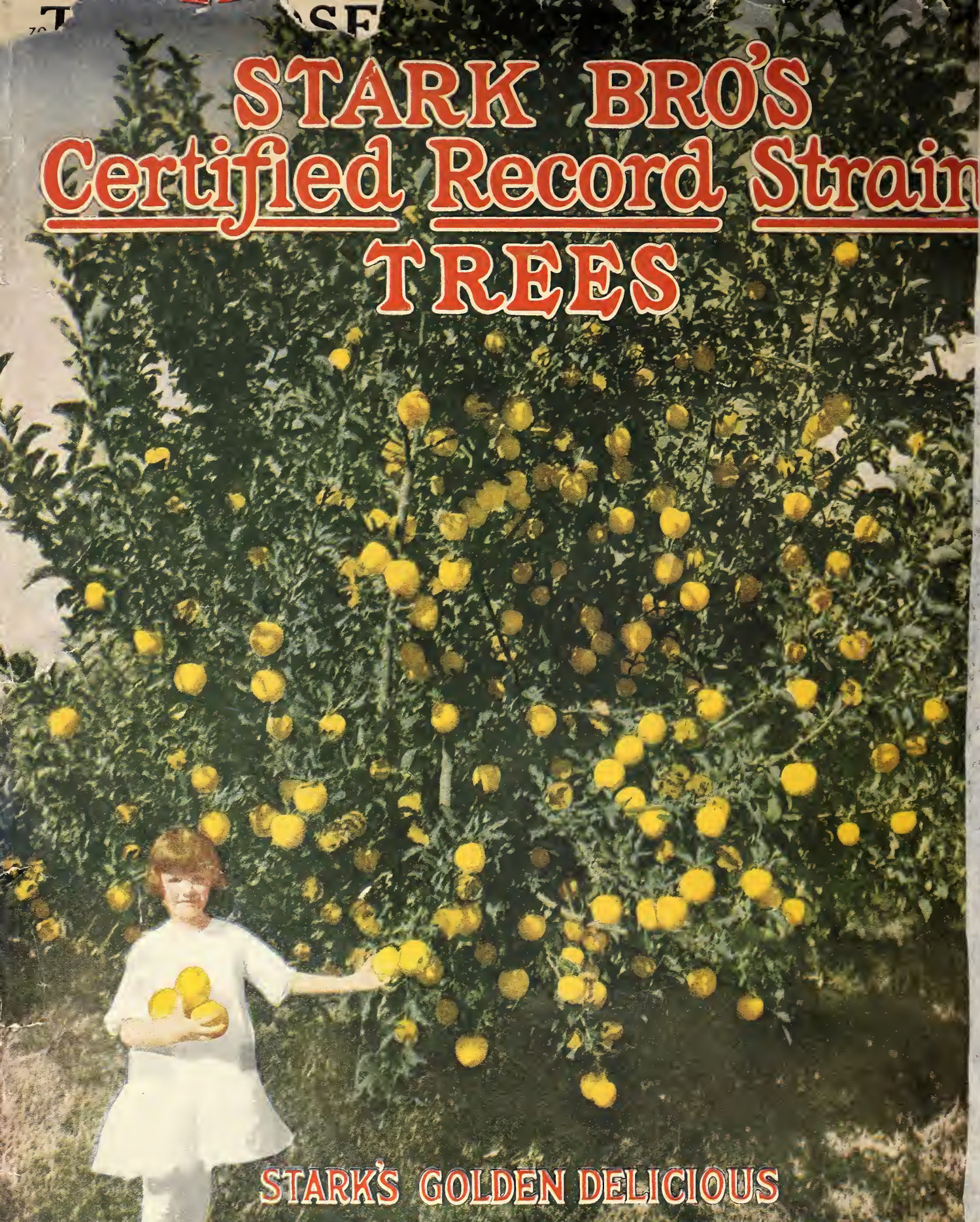
Step 3 shows the orchard plan after the removal of the fillers. Semi-permanent and permanent trees indicated by O, in place—54 trees to the acre. Note all trees are now 28 feet apart and semi-permanent trees can remain until 25 or 30 years of age, thus giving double production.



STEP 4—Permanents only

Step 4 shows the final orchard plan with semi-

STARK BRO'S Certified Record Strain TREES



$5,583.00 Crop From Less Than 2 Acres of Stark's Golden Delicious Trees!

(The Photo above shows one of these 130 Trees)

THE American Fruit Growers, Inc., are the Largest Orchardists in the world (headquarters — Pittsburgh, Penn.). Their Wenatchee **Regional Supervisor, Mr. Earl Barnhill,** reports a wonderful Stark's Golden Delicious crop for last year:—

"We harvested 1220 **(Twelve Hundred and Twenty) packed bushel boxes of Stark's Golden Delicious apples from 120 trees on less than 2 acres.**

"We sold this crop for $5,583.00 (Five Thousand, Five Hundred and Eighty Three Dollars) f. o. b. cars—an average of $4.57 per bushel!"

This gave them a net income of $42.95 per tree—or nearly $3,000.00 (Three Thousand Dollars) per acre!

Mr. Barnhill further states:—

"We have closely observed the Stark's Golden Delicious variety for the past 5 years. Stark's Golden Delicious is—

"The Heaviest Bearing of All Commercial Varieties

—even heavier than Rome Beauty, Black Ben or Ben Davis. The trees are strong healthy, apparently quite **frost-resistant they bear a commercial load of high quality fruit on one-year wood,** being the only variety that does this. **The Apples never mealy. We are particularly pleased with the size and quality of the fruit.** This crop of 1220 bu. off 130 trees was 71-8/10 cent Extra Fancy. 46-4/10 per cent of the ples ran 64 apples to the bushel—or larger si